

BAUMMUELLER GERMANY (WEST) LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARY (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 09 JAN 84
USAFETAC/DS-84/001 SBI-AD-E850 506 F/G 4/2

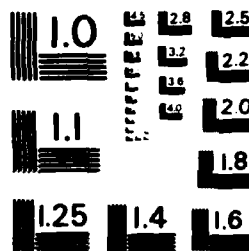
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UNCLASSIFIED

09 JAN 84

F/G 4/2

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963

DL 106195

USAFETAC/PS-84/00

AOE 250 000

BAUMHOLD, R. BL
N 49 39 E 007 18 ALLEV 1396 FT
MCC #106120
SBRK

PARTS A-F FOURC 3074.01Z: 0600Z - 1600Z

PERIOD OF RECORD:
HOURLY OBSERVATION: JUN 73 - MAY 83
SUMMARY OF DAY DATA: NONE

TIME CONVERSION: GMT TO LST: +1

ANS 1. ...
FL 441:
SCOTT ...

11 JAN. 1984

8 JAN 1984

DISTRIBUTION STATEMENT A

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Distribution Unlimited

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM	
1. REPORT NUMBER USAFETAC/DS-84/001		2. GOVT ACCESSION NO. AD 437582	
4. TITLE (and Subtitle) Limited Surface Observations Climatic Summary (LISOCs) - Baumholder, Germany (West)		3. RECIPIENT'S CATALOG NUMBER	
		5. TYPE OF REPORT & PERIOD COVERED Final Rept	
		6. PERFORMING ORG. REPORT NUMBER	
7. AUTHOR(s)		8. CONTRACT OR GRANT NUMBER(s)	
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS	
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/TS Air Weather Service (MAC) Scott AFB IL 62225		12. REPORT DATE Jan 84	
		13. NUMBER OF PAGES 150	
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report) UNCLASSIFIED	
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE	
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.			
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)			
18. SUPPLEMENTARY NOTES Limited-duty weather observation site.			
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)			
*LISOCs	Climatology	Weather conditions	
*RUSSWO	Surface winds	Relative humidity	
*Climatological data	Sea-level pressure	Station pressure	
Psychrometric summary	Atmospheric pressure	Ceiling versus Visibility	
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is similar to a Revised Uniform Summary of Surface Weather Observations (RUSSWO) except the summary generated is from data observed at limited-duty observation sites. This summary is blocked based on the normal hours of observation and only those tables using hourly data are presented. Caution must be exercised when using these summaries as the data reflect conditions occurring only during limited duty hours of operation. This report is a five-part statistical summary of surface weather observations for Baumholder, Germany (West)			

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

*Germany (West)
*Baumholder
DL106190

20. It contains the following parts: (A) Weather Conditions; (C) Surface Winds; (D) Ceiling Versus Visibility; (E) Psychrometric Summaries (psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard deviations and observation counts of station and/or sea-level pressure). Summaries in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATEAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.



Accession For	
NTIS GRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	

USAFETAC

LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARIES (LISOCs)
HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at established hourly intervals.

SUMMARY OF THE DAY OBSERVATIONS

Summary of the day observations are selected from all data recorded on reporting forms and combined into these observations (records, record-specials, locals, summary of day, remarks, etc.).

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the LISOCs and the manner of presentation. Tabulations are prepared from observations recorded by stations operated by the US Services and some foreign stations using similar reporting practices.

Unless otherwise noted, the following summaries are included in this LISOCs:

PART A: WEATHER CONDITIONS

PART B: NO OR INSUFFICIENT
DATA AVAILABLE*

PART C: SURFACE WINDS

PART D: CEILING VERSUS VISIBILITY

SKY COVER DATA NOT AVAILABLE

*PRECIPITATION, SNOWFALL AND SNOW DEPTH

PART E: DAILY HIGH, LOW, AND MEAN TEMPERATURES

DATA NOT AVAILABLE

MAX HIGH AND MIN LOW TEMPERATURES

DATA NOT AVAILABLE

PSYCHROMETRIC: DRY VS WET BULB

MEAN AND STD DEV. (DRY BULB, WET BULB,
AND DEW POINT TEMPERATURES)

RELATIVE HUMIDITY

PART F: STATION PRESSURE

SEA LEVEL PRESSURE DATA NOT AVAILABLE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 local standard time (LST).

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WIND NUMBER
106190	BAUMHOLDER GERMANY AAF	N 49 39	E 007 18	1398	EDER	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		WIND NUMBER
			FROM	TO			STATION (FT)	PIPE DIAMETER	
1	Baumholder Germany	AAF	Feb 65	Dec 70	N 49 39	E 007 18	1408	1433	1250 14
2	No Change	AAF	Jan 71	Sep 83	No Chge	No Chge	1398	1430	10

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Feb 65 to Sep 66	Located on top of tower.	AN/GNQ-11	None	50 ft	
2	Oct 66 to Nov 66	Located 500 ft ENE of tower.	No chge	None	13 ft	
3	Dec 66 to Feb 68	Located 600 ft E of tower.	No chge	None	No chge	
4	Mar 68 to Dec 70	Located 600 ft NE of station	No chge	None	No chge	

USAFETAC FORM 0-19 (OL A)

CONTINUED ON REVERSE SIDE

NUMBER OF STATIONS	DATE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
5	Sep 83	Located in the tower	No Clog	R0362	13 Ft	

MAC-8 APR 83 0000

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sum of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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USE FOR INFORMATION
SEE PAGE 1002

WEATHER CONDITIONS

106190
STATION

BAUMHOLDER DL
STATION NAME

74-83
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	00-02												
	03-05												
	06-08		19.6	2.2	14.8		33.9	43.1	.8			44.0	357
	09-11		13.9	2.7	11.1		27.3	42.9	3.7			46.6	560
	12-14		17.3	2.2	9.7		28.2	31.5	7.5			39.0	549
	15-17		13.4	1.4	7.4		21.4	29.9	7.2	.2		37.3	501
	18-20												
	21-23												
TOTALS			16.1	2.1	10.8		27.7	36.9	4.8	.1		41.7	1967

GLOBAL CLIMATOLOGY BRANCH
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USE WITH SECTION
SEE INSTRUCTIONS

WEATHER CONDITIONS

106190
STATION

BAUMHOLDER DL
STATION NAME

74-83

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	00-02												
	03-05												
	06-08		11.6	1.1	12.4		23.8	46.4	5.5			51.9	362
	09-11		12.4	1.1	13.5		25.8	36.4	8.9			45.3	539
	12-14		10.0	.4	13.1		21.6	24.4	17.2			41.7	528
	15-17		8.9	.6	13.2		21.1	16.3	19.4			35.7	484
	18-20												
	21-23												
TOTALS			10.7	.8	13.1		23.1	30.9	12.8			43.7	1913

GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

106190
STATION

BAUMHOLDER DL
STATION NAME

74-83
YEARS

MA
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAP	00-02												
	03-05												
	06-08		19.0		6.9		24.9	40.6	10.5			51.1	421
	09-11		17.6		7.1		24.2	30.4	15.7			46.1	649
	12-14		15.5		4.5		19.5	14.9	18.0			33.5	645
	15-17	.2	15.1		3.2		17.6	9.4	19.8			29.1	597
	18-20												
	21-23												
TOTALS		.1	16.8		5.4		21.6	23.8	16.2			47.0	2312

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USE WITH CAUTION
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WEATHER CONDITIONS

106190
STATION

BAUMHOLDER DL
STATION NAME

74-83

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02												
	03-05												
	06-08		8.1		6.4		13.6	32.8	10.6			43.5	405
	09-11		8.4		4.6		12.7	15.2	14.7			29.9	606
	12-14	.7	10.4		4.3		14.0	4.8	10.4			15.2	605
	15-17	.8	11.5		3.1		14.4	3.6	9.0			12.6	522
	18-20												
	21-23												
TOTALS		.4	9.6		4.6		13.7	14.1	11.2			25.3	2138

GLOBAL CLIMATOLOGY BRANCH
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USE WITH CAUTION
REPLACES PAGE

WEATHER CONDITIONS

106190
STATION

BAUMHOLDER DL
STATION NAME

74-83

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02												
	03-05												
	06-08		14.4		1.5		15.4	23.7	7.1			30.8	396
	09-11		14.2		1.0		14.9	9.0	10.6			19.6	592
	12-14	.7	13.9		.3		13.9	3.5	5.5			9.1	595
	15-17	1.2	12.4		.2		12.4	2.2	4.7			6.9	492
	18-20												
	21-23												
TOTALS		.5	13.7		.8		14.2	9.6	7.0			16.6	2075

GLOBAL CLIMATOLOGY BRANCH
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USE WITH CAUTION
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WEATHER CONDITIONS

16190
STATION

BAUMHOLDER DL
STATION NAME

73-82

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02												
	03-05												
	06-08		10.3				10.3	22.4	13.1			35.5	406
	09-11	.7	10.3				10.3	6.1	11.9			18.0	611
	12-14	1.6	6.6				6.6	3.7	5.8			9.6	617
	15-17	2.8	6.9				6.9	1.7	4.3			6.0	534
	18-20												
	21-23												
TOTALS		1.3	8.5				8.5	8.5	8.8			17.3	2168

GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

100190
STATION

BAUMHOLDER DL

STATION NAME

73-82

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02												
	03-05												
	06-08	.5	12.5				12.5	20.5	13.2			33.7	409
	09-11		10.9				10.9	7.0	13.2			20.2	614
	12-14	.7	7.8				7.8	2.3	6.5			8.8	613
	15-17	1.1	10.5				10.5	.9	3.9			4.9	532
	18-20												
	21-23												
TOTALS		.6	10.4				10.4	7.7	9.2			16.9	2168

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WEATHER CONDITIONS

106190
STATION

BAUMHOLDER DL
STATION NAME

73-82

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02												
	03-05												
	06-08		5.4				5.4	40.7	5.6			46.3	408
	09-11	.2	7.4				7.4	13.3	17.2			30.4	610
	12-14	.5	6.4				6.4	2.7	15.9			18.6	620
	15-17	.5	5.9				5.9	1.6	12.6			14.3	547
	18-20												
	21-23												
TOTALS		.3	6.3				6.3	14.6	12.8			27.4	2201

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WEATHER CONDITIONS

176190
STATION

BAUMHOLDER DL
STATION NAME

73-82
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	00-02												
	03-05												
	06-08		8.8				8.8	54.2	4.5			58.8	308
	09-11	.2	8.6				8.6	31.3	16.1			47.5	453
	12-14		7.4				7.4	9.4	21.7			31.0	448
	15-17	.3	10.4				10.4	4.0	18.7			22.7	375
	18-20												
	21-23												
TOTALS		.1	8.8				8.8	24.7	15.3			40.0	1584

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GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

1-6190
STATION

BAUMHOLDER DL
STATION NAME

73-82

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02												
	03-05												
	06-08		15.8		.8		16.6	58.0	5.7			63.7	386
	09-11	.2	17.0		.7		17.7	45.3	9.0			54.2	581
	12-14		16.6		.3		16.8	20.6	14.2			34.7	579
	15-17		11.7				11.7	15.4	14.2			29.6	521
	18-20												
	21-23												
TOTALS		.1	15.3		.5		15.7	34.8	10.8			45.6	2067

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WEATHER CONDITIONS

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BAUMHOLDER DL
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73-82

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02												
	03-05												
	06-08		18.1		5.6		22.8	45.1	2.8			47.9	359
	09-11		17.5		6.2		21.6	38.5	3.6			42.2	550
	12-14		15.4		6.4		20.4	27.9	8.4			36.3	545
	15-17	.2	15.3		5.0		19.7	25.5	11.8			37.3	498
	18-20												
	21-23												
TOTALS		.1	16.6		5.8		21.1	34.3	6.7			40.9	1952

GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

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STATION

BAUMHOLDER DL
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YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	00-02												
	03-05												
	06-08		19.3	2.0	9.8		30.2	38.0	2.2			40.2	358
	09-11		19.3	1.2	10.2		29.9	35.8	2.1			37.8	579
	12-14		20.7	.9	11.8		32.4	25.6	5.1			30.7	527
	15-17		21.3	.2	13.7		32.9	24.9	5.9			30.8	422
	18-20												
	21-23												
TOTALS			20.2	1.1	11.4		31.4	31.1	3.8			34.9	1886

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:
DATA NOT AVAILABLE

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VREL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190
STATION

BAUMHOLDER DL
STATION NAME

74-83
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1											1.1	2.3
NNE	.8	2.4	.8	.3								3.9	5.6
NE	.6	.8	.3									1.7	4.7
ENE	.6	.3	.6									1.4	5.0
E	1.1	.6	1.4									3.1	5.5
ESE													
SE		.6	.6									1.1	5.8
SSE	.3											.3	1.0
S	.8	.6	.6									2.0	5.0
SSW	.6	.6	.8	1.4		.3						3.6	9.2
SW	1.4	4.2	4.5	5.3	.3							15.7	8.4
WSW	2.2	3.9	7.6	5.6	1.1	.6						21.0	9.4
W	.3	.3	2.8	3.4								6.7	10.4
WNW	.6	.6	.6	.3								2.0	5.9
NW	1.1		.3									1.4	3.8
NNW	.6	.6	.8	.3								2.2	6.1
VARBL			2.8	.8	.8							4.5	10.9
CALM												28.3	
	12.0	14.8	24.4	17.4	2.2	.8						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 357

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190 BAUMHOLDER DL 74-83 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.5										1.4	3.5
NNE	1.4	.9	.5	.2								3.1	4.6
NE	.9	.7										1.6	3.3
ENE	.2	1.4	.5									2.2	5.7
E	.5	.7	1.1	.2								2.5	6.5
ESE	1.1	.7	.2									2.0	3.6
SE		.2	.4									.5	7.0
SSE	.4											.4	2.0
S	.5	.7	.5									1.8	5.6
SSW	.4	1.6	.9	1.1	.4							4.3	8.6
SW	1.4	4.7	2.7	4.7	.2							13.6	8.1
WSW	2.0	3.1	7.0	7.4	1.4	.9						21.7	10.5
W	.5	1.6	3.8	3.2	.2							9.3	9.0
WNW	.5	.7	.4									1.6	4.3
NW	.7	.7										1.4	3.5
NNW	.4		.2	.4								.9	6.8
VARBL		.2	3.1	.9	.5							4.7	10.8
CALM												26.9	
	11.8	18.5	21.2	18.0	2.7	.9						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 557

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106190
STATION

BAUMHOLDER DL
STATION NAME

74-83
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.2										1.6	2.2
NNE	.9	.7	.7									2.4	4.9
NE	.9	1.1										2.0	3.7
ENE	.9	2.7	.5									4.2	5.1
E	.5	.9	1.1	.4								2.9	6.6
ESE	.7	1.5	.5	.2								2.9	5.1
SE	.4	.9										1.3	4.3
SSE		.7	.2	.4								1.3	7.0
S	.4	.4	1.1									1.8	6.6
SSW	.5	1.1	1.1	.9								3.6	7.8
SW	.5	2.2	4.2	5.1	.7							12.8	10.1
WSW	.7	4.4	6.0	7.7	2.2	.4						21.3	10.5
W	1.5	1.8	7.5	4.9	.5	.2						16.4	9.6
WNW	.4	.7	.4									1.5	4.8
NW		.2										.2	5.0
NNW	1.3	.7										2.0	2.9
VARBL			2.6	2.0	.2							4.7	11.3
CALM												17.1	
	11.1	20.2	25.9	21.5	3.6	.5						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

549

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

16190 STATION BAUMHOLDER DL STATION NAME 74-23 YEARS JAN NORTH
ALL WEATHER CLASS 1500-1700 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.8	.4									4.3	3.7
NNE	1.0	.6	.8	.2								2.6	5.1
NE	.6	1.2										1.4	4.3
ENE	1.6	1.2	.8									3.5	4.7
E	1.4	2.0	1.2	.4								5.5	5.5
ESE	.4	.2	.2	.4								1.5	6.2
SE		.2	.4	.2								.8	8.3
SSE	.6	.2	.4	.2								1.4	6.3
S	.2	.4	1.2	.8								2.6	8.9
SSW	1.2	1.2	1.8	1.6								5.6	7.5
SW	1.4	2.2	3.6	5.8	.6							13.6	9.4
WSW	1.2	3.0	6.0	5.4	.8	.4	.4					17.2	10.6
W	.8	2.6	6.2	6.6	2.2							18.4	10.6
WNW	.4	.4										.8	3.3
NW	.6	.2	.2									1.2	4.2
NNW	1.4	.2										1.8	2.4
VARBL			2.2	1.4	.2							3.8	10.6
CALM												15.5	
	14.2	17.2	25.3	23.0	3.8	.4	.4					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 501

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190 STATION BAUMHOLDER DL STATION NAME 74-83 YEARS FEB MONTH 0600-0800 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	.5										3.3	2.3
NNE	3.3	2.8	.8									6.9	3.7
NE	2.5	2.5	.6	.3								5.8	4.4
ENE	.8	2.8	.8									4.4	5.1
E	2.8	1.7	3.1	.3								7.9	5.7
ESE	.8											.6	2.3
SE	.3	.8										1.1	4.3
SSE		.3	1.4									1.7	8.0
S	.3	.3	.6									1.1	6.5
SSW	.3		.6	.3								1.1	9.0
SW	2.5	2.2	1.7	2.2	.3							8.9	7.2
WSW	1.1	3.6	5.0	1.4	.6	.3	.3					12.2	8.6
W	1.7	1.1	2.2	1.0								6.9	7.8
WNW	.8	.5	.3									1.7	4.2
NW													
NNW													
VARBL			2.5	.8								3.3	11.9
CALM												32.8	
	20.0	19.2	19.4	7.2	.8	.3	.3					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 360

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190
STATION

BAUMHOLDER DL

STATION NAME

74-83

YEARS

FEB
MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	.6										3.2	2.5
NNE	3.0	2.8	.6									6.4	3.9
NE	1.9	3.4										5.3	3.9
ENE	.9	2.3	2.3									5.5	5.7
E	.8	2.6	3.9	.6								7.9	7.0
ESE	.9	.6	.6									2.1	4.2
SE	.9											.9	2.4
SSE	.2	.6	.4	.2								1.3	6.7
S	.4	1.3	.9									2.6	6.1
SSW	.2	.9	1.7									2.8	6.9
SW	1.3	1.7	3.8	1.3	.2							8.3	7.5
WSW	1.3	4.1	4.3	1.9	1.1	.6						13.3	9.0
W	.3	2.3	2.6	2.3	.2							8.6	8.2
WNW	.4	.8	.2									1.3	4.3
NW	.4	.4										.8	4.0
NNW	.4	.4										.8	3.0
VARBL			4.9	.9								5.8	9.1
CALM												23.1	
	16.4	25.2	26.1	7.1	1.5	.6						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

532

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190 STATION BAUMHOLDER DL STATION NAME 74-83 YEARS
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.6	.2									2.3	3.4
NNE	2.1	4.4	1.3									7.8	4.8
NE	1.3	2.1	.4									3.8	4.4
ENE	1.3	2.5	1.3	.4								5.5	5.4
E	1.3	2.5	3.6	1.1								8.2	7.2
ESE	.6	3.1	1.0	.2								4.8	5.6
SE	1.1	.4	.2									1.7	3.3
SSE	.6	.8	.4									1.7	4.7
S	.4	1.7	.6	.4								3.1	6.0
SSW	.4	.8	1.5		.2							2.9	7.2
SW	1.3	2.3	2.3	1.5	.4							7.8	7.8
WSW	1.5	5.0	6.5	2.5	1.0	.4						16.8	8.7
W	.6	2.9	3.3	2.1	.4							9.2	8.8
WNW	.4	1.3	.6	.2								2.5	6.1
NW	.2	.8										1.0	4.2
NNW	1.1	.4	.2									1.7	3.0
VARB		.2	7.3	1.1								8.6	8.6
CALM												10.5	
	15.5	31.5	30.6	9.6	1.9	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 523

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190 STATION BAUMHOLDER DL 74-83 YEARS FEB MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.9	.2									2.3	4.1
NNE	2.7	5.0	1.9									9.6	5.0
NE	2.5	2.3	.2									5.0	3.7
ENE	1.5	3.1	.8									5.4	4.7
E	1.9	3.5	3.1	1.7								10.2	6.8
ESE	.8	1.2	.8	.6								3.5	6.4
SE	1.5	1.0	.2									2.7	4.3
SSE		.8	.4	.2								1.5	6.7
S	1.2	2.7	1.5	.2								5.6	5.3
SSW	.4	1.7	1.7	.2	.2							4.2	7.2
SW	.8	2.1	2.7	.4								6.0	6.6
WSW	1.2	3.5	5.0	3.7	1.2							14.8	9.3
W	.4	3.3	2.5	.6	.6							7.5	7.8
WNW	.6	.8	.6									2.1	5.0
NW	.6	1.5										2.1	3.9
NNW		.2										.2	6.0
VARBL			6.0	1.2								7.3	8.6
CALM												10.2	
	17.5	33.7	27.4	9.1	2.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 481

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106190
STATION

BAUMHOLDER DL
STATION NAME

74-83
YEARS

MAP
SHEET

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.2	1.2									2.9	5.1
NNE	2.1	1.2	2.1	.7								6.2	5.9
NE	1.0	1.4										2.4	3.5
ENE	1.2	2.6	.5									4.3	4.4
E	1.4	1.0										2.4	3.4
ESE													
SE	.2		.2									.5	4.5
SSE			.5									.5	8.0
S	.2	.2	.7		.2							1.4	8.8
SSW	.7	1.4	1.2	1.2								4.5	7.7
SW	.7	3.6	3.8	2.9	.5	.5						11.9	9.0
WSW	2.4	4.1	8.6	3.1		.2						18.4	7.8
W	1.2	2.1	2.9	4.3	.5							11.0	9.5
WNW	.2	.2										.5	4.5
NW		.5										.5	5.5
NNW													
VARBL			2.6	1.4								4.1	10.2
CALM												28.6	
	12.2	19.6	24.1	13.6	1.2	.7						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

419

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106190 STATION BAUMHOLDER DL 74-83 YEAR MAD MONTHS 0900-1100
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.1	.5									3.1	3.7
NNE	1.2	3.4	1.9	.3								6.8	5.6
NE	.9	2.6	1.1									4.6	5.3
ENE	.9	1.7	.6									3.2	4.6
E	1.2	1.2	.3	.2								2.9	4.8
ESE	.2	.3	.3									.8	5.6
SE	.5	.2										.6	2.8
SSE	.3	.3										.6	4.5
S	.5	.6	.5									1.5	5.3
SSW	.5	.5	2.0	.9								3.9	8.4
SW	1.2	2.8	5.1	4.5	.8	.2						14.5	9.5
WSW	1.9	3.2	9.9	4.9	.5	.3						20.7	9.1
W	.5	1.5	4.3	3.9	.5							10.6	10.2
WNW	.2	1.1	.6	.2								2.2	6.4
NW	.2	.3										.5	4.7
NNW	.8	.8										1.5	3.8
VARBL		.2	4.5	2.2		.2						6.9	10.1
CALM												15.1	
	12.3	21.8	31.5	17.0	1.7	.6						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 648

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190 BAUMHOLDER DL 74-83 MAR
STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.2	.2	.2								3.3	5.4
NNE	.8	1.9	1.9	.2								4.7	5.8
NE	.5	2.3	.3	.3								3.4	6.0
ENE	.9	3.4	.6									5.0	4.8
E	1.4	1.9	.8	.5								4.5	5.3
ESE	.3	1.9		.2								2.3	4.7
SE	.3	.9	.2									1.4	4.6
SSE	.2	.3	.2									.6	5.5
S	.2	1.2	.8									2.2	6.0
SSW	.3	1.2	2.8	1.7								6.1	6.4
SW	.6	1.7	3.1	4.4	1.1	.6						11.5	11.2
WSW	.9	3.4	6.9	6.5	1.6	.2						19.5	10.0
W	.5	3.1	4.8	5.3	.8							14.5	9.9
WNW	.2	1.4	.5	.5								2.5	6.8
NW	.5	.8	.2									1.4	4.1
NNW	1.6	.6										2.2	3.1
VARBL		.2	6.9	3.9	.3							11.2	10.3
CALM												3.7	
	9.8	28.5	29.9	23.5	3.7	.8						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 642

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

116190 BAUMHOLDER DL 74-83 MAP
STATION STATION NAME YEAR MONTH
ALL WEATHER
CLASS
1500-1700
HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.7		.3								2.2	4.6
NNE	1.0	2.8	2.0									5.9	5.5
NE	1.0	1.8	.5									3.4	4.9
ENE	.7	2.7	.5	.5								4.4	6.2
E	.5	1.8	2.2	.2								4.7	6.7
ESE	.3	2.7										2.3	4.8
SE	.2	1.0										1.2	4.6
SSE	.2	1.2	.2									1.5	5.2
S	.2	1.0	1.5	.2								2.8	7.4
SSW	.2	2.5	3.4	1.2								7.2	8.2
SW	.5	2.7	4.0	4.4	.3	.3						12.2	9.9
WSW	1.8	2.3	5.7	6.0	1.8	.3						18.1	10.4
W	1.0	3.9	4.2	5.5	.7							15.2	9.3
WNW	.8	1.0	.5	.2								2.5	5.3
NW	1.3	1.7	.2									3.2	3.9
NNW	1.2	1.2										2.3	3.6
VARBL			5.4	1.3								6.7	9.5
CALM												4.2	
	12.1	30.3	30.2	19.8	2.8	.7						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 597

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190
STATION

BAUMHOLDER DL
STATION NAME

74-53
YEARS

APR
MONTH

ALL WEATHER
CLASS

G600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.2										2.7	3.2
NNE	5.2	3.2	3.5									11.9	4.7
NE	1.7	4.5	.5									6.7	4.5
ENE	.7	1.5										2.2	4.1
E		1.0										1.0	4.3
ESE	.2	.5										.7	5.0
SE	.2	.2	.2	.2								1.0	7.8
SSE		.5										.5	4.5
S	.2	.2										.5	3.0
SSW	.2	.2	.7									1.2	6.2
SW	1.0	1.7	1.5	1.5								5.7	7.5
WSW	1.2	2.7	5.4	3.7								13.1	8.3
W	.5	2.2	3.5	2.2								8.4	7.8
WNW		1.5	.5									2.2	5.6
NW	.5	1.0										1.5	4.5
NNW	1.5	.2										1.7	2.4
VARBL			4.0	.2								4.2	8.5
CALM												34.9	
	14.9	22.5	19.8	7.9								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 404

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190 BAUMHOLDER DL 74-83 APP
STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION
0900-1100
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.3	.7									5.6	3.9
NNE	2.5	4.3	3.5									10.3	5.3
NE	1.7	3.8	2.7		.2							8.3	5.9
ENE	1.0	4.6	.7									6.3	5.1
E	.5	2.3	1.3									4.1	6.1
ESE	1.0	1.5	.2									2.7	3.9
SE	.7	1.2		.3								2.2	5.3
SSE	.2	1.2	.2	.2								1.7	6.0
S	.3	.7										1.0	4.2
SSW	.3	.7	.2									1.2	4.3
SW	.3	1.7	1.8	1.2								5.0	8.2
WSW	.8	2.2	6.0	4.8	.2							13.9	9.3
W	.8	2.0	3.5	3.2	.2							9.6	9.1
WNW	.3	1.3	.5									2.2	5.6
NW	1.5	.7	.5									2.7	4.1
NNW	1.2	.8	.5									2.5	4.1
VARBL			10.6	1.0	.2							11.8	6.5
CALM												9.1	
	15.8	31.2	32.7	17.6	.7							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 003

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190 BAUMHOLDER DL 74-83 APR
STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	3.6	.2									6.6	3.6
NN'	2.5	3.5	1.2	.3								7.5	4.9
NE	1.2	2.3	.7	.2								4.3	5.2
ENE	.5	5.0	2.2	.2								7.8	6.2
E	1.5	3.8	1.8	1.2								6.3	6.6
ESE	.5	1.5	1.7									3.0	5.7
SE	.2	.5										.7	4.8
SSE	.5	1.7	.2									2.3	4.6
S	.3	.2	.2	.2								1.3	4.9
SSW	.3	.3	.3	.2								1.2	6.1
SW	.2	1.7	2.0	1.5								5.3	8.6
WSW	.7	2.7	2.5	4.6	.7	.2						11.3	9.8
W	.3	1.7	2.7	3.3	.5							8.5	9.8
WNW	.3	2.0	.7									3.2	5.6
NW	.4	1.5	.2									2.5	4.0
NNW	1.5	2.8	.2									4.5	4.1
VARBL		.2	15.0	2.8	.2							19.1	9.1
CALM												3.0	
	14.6	34.8	31.7	14.4	1.3	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 603

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190
STATION

BAUMHOLDER DL
STATION NAME

74-83
YEARS

APP
MONTH

ALL WEATHER

CLASS

CONDITION

1500-1700
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	3.6	.4									6.7	3.9
NNE	1.9	3.8	2.7	.2								8.6	5.5
NE	.3	2.7	.6	.8								4.8	6.2
ENE	1.2	2.1	3.1	.6								6.9	6.6
E	1.5	4.2	2.5	1.7								17.0	6.8
ESE	.4	1.0	.6									1.9	5.6
SE		.2	.4									.6	6.7
SSE	.2	.4										.6	3.7
S	.4	1.7	.6									1.9	5.8
SSW	.2	1.7	.8	.2								2.1	7.1
SW	.4	1.0	1.9	1.5	.4							5.2	9.0
WSW	.2	1.5	3.6	3.8	.2							9.4	10.0
W	.6	1.3	5.0	4.4	.2							11.5	9.9
WNW	1.2	1.5	1.0	.2								3.8	5.2
NW	1.7	1.2	.4									2.5	4.5
NNW	1.2	1.5										2.7	3.7
VARBL			14.8	2.3								17.1	8.9
CALM												3.6	
	13.6	28.7	38.2	15.7	.8							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

521

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

176190 STATION BAUMHOLDER DL 74-83 YEARS MAY MONTH
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.0	.3									4.6	2.7
NNE	1.8	3.8	1.9	.3								7.6	5.2
NE	2.3	2.8	1.5	.5								7.1	5.2
ENE	.5	1.0	.8									2.3	5.6
E		2.0	1.0	.3								3.3	6.9
ESE		1.0										1.0	4.6
SE		1.0										1.0	4.6
SSE		.5	.3									.8	5.3
S	.5											.3	2.3
SSW	1.0		1.3	.5								2.8	6.5
SW	2.8	3.8	3.0	1.3	.3							11.1	6.3
WSW	1.5	3.5	4.1	3.0	.3							12.4	8.0
W	1.9	2.3	2.8	1.0								7.8	6.8
WNW	.8	.3	.3									1.3	3.6
NW	.5	.5										1.0	3.8
NNW	.3	.3										.5	3.0
VARBL			5.3	1.0								6.3	9.1
CALM												28.4	
	17.2	23.8	22.3	7.8	.5							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 395

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11619C STATION SAUMHOLDER DL 74-83 YEARS MAY MONTH
ALL WEATHER CLASS 1987-1100 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.0										2.7	2.9
NNE	2.9	4.4	1.2	.3								3.8	4.8
NE	1.7	1.7	.7									3.4	4.7
ENE	.3	2.7	.3	.7								3.4	6.5
E	.5	2.7	2.2	1.5								6.9	7.6
ESE	1.2	2.7	1.0	.2								4.4	5.5
SE	.3	.	.2									1.4	4.2
SSE	.5	1.0	.2									1.7	4.1
S	.2	2.7	.5	.2								3.9	5.3
SSW	.3	1.7	1.0	.3								3.9	6.3
SW	.2	2.9	4.6	1.9								9.5	6.3
WSW	.7	4.2	5.4	2.9	1.7	.2						14.4	9.9
W	1.4	2.2	4.7	.3	.2							9.8	7.5
WNW	1.0	1.0	.2									2.2	3.9
NW	.5	.5										1.2	3.8
NNW	1.4	.3										1.7	2.1
VARBL			17.0	3.6	.2							14.6	9.4
CALM												8.3	
	14.6	30.7	33.1	11.9	1.4	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 500

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10-190 BAUMHOLDER DL 74-83 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	.8	.3									3.2	3.4
NNE	1.3	3.2	1.2	.3								6.1	5.2
NE	1.7	1.3	.7									3.0	4.8
ENE	.3	2.2	.8									3.4	5.4
E	1.3	2.4	2.4	1.7								7.7	7.4
ESE	.5	2.4	.8									3.7	5.2
SE	.5	1.5										2.0	4.5
SSE	.5	1.7	.2	.2								2.5	4.9
S	.8	1.8	1.7	.3								4.0	5.5
SSW	.5	1.7	2.4	1.0								5.5	7.6
SW	.8	2.4	4.4	1.7	.2							9.4	8.0
WSW	.2	2.7	5.7	4.2	.8							13.6	9.7
W	1.2	2.0	4.0	1.8	.2							9.2	8.2
WNW	.7	1.7	1.0									3.4	5.2
NW	.5	1.2										1.5	3.6
NNW	1.2	1.2										2.4	3.5
VARBL			11.8	5.0								16.8	10.1
CALM												2.5	
	13.4	29.9	36.6	16.3	1.2							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 595

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

16190 STATION 8AUMHOLDER DL 74-83 YEARS MAY MONTH 1500-1700 HOUR (LST)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.4	2.2	.4									4.1	4.2
NNE	1.4	3.3	1.4	.6								6.7	5.9
NE	.6	1.4	.4									2.4	5.1
ENE	1.2	1.4	.4									3.0	4.6
E	.8	5.3	3.3	1.6								11.0	6.8
ESE	1.0	1.6	1.6									4.3	6.0
SE	.4	.6										1.0	4.0
SSE	.8	.6										1.4	3.4
S	.4	2.0	1.0	.2								3.7	6.1
SSW	.6	1.6	1.0									3.3	5.7
SW	.2	2.0	3.3	1.4								6.9	8.4
WSW	.2	3.5	6.7	4.9								15.2	9.2
W	2.0	3.7	4.9	2.2	.2							13.0	7.4
WNW	.8	1.4	.6	.2								3.2	5.2
NW	.6	1.0		.2								1.8	4.9
NNW	2.2	1.0										3.3	2.8
VARBL			8.3	4.9	.4							13.6	10.5
CALM												2.2	
	14.8	32.7	33.3	16.3	.6							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 492

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190 SAUMHOLDERS DL 73-82 JUN
STATION NAME YEARS MONTHS
ALL WEATHER
CLAS
CONDITION
0600-0800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	.5										3.2	2.2
NNE	3.3	7.4	1.2									11.6	4.6
NE	1.2	2.5	.2									4.0	4.4
ENE	.2	2.5	.2									3.0	5.3
E	.5	1.7	.2									1.7	4.7
ESE	.5	.2										.7	3.0
SE	.2	.5										.7	4.3
SSE	.2											.2	3.0
S			.2									.2	3.0
SSW	.2	.7	.2									1.2	5.6
SW	1.5	3.2	4.2	1.0	.2							10.1	6.9
WSW	3.7	4.4	5.7	1.5								14.6	6.8
W	.5	3.2	4.2	1.2								9.1	7.3
WNW	.7	1.5										2.2	4.4
NW	.2	.5	.2	.5								1.5	7.7
NNW	.5	.7	.5	.2								2.0	5.9
VARBL			1.5									1.5	8.0
CALM												12.3	
	15.3	28.9	18.8	4.4	.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 405

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

176190 STATION 6AUMHOLDER DL 73-82 YEARS MONTHS 0900-1100
STATION NAME CLASS CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.3	.2									4.1	3.4
NNE	2.6	6.1	2.1	.3								11.1	5.0
NE	.3	3.6	1.3									5.2	5.9
ENE	1.1	2.0	1.1									4.3	5.3
E	1.5	3.6	1.6									6.7	5.3
ESE	.3	.7	.5									1.5	4.8
SE	.7	.7	.2									1.5	4.2
SSE	.3	1.1										1.5	4.6
S	.8	.7	.2									1.6	4.0
SSW	.7	1.0	.7	.3								2.6	6.3
SW	1.0	2.0	2.6	1.3		.2						7.0	7.7
WSW	1.6	3.9	8.2	2.5	.5							16.6	8.1
W	1.3	4.1	6.1	2.1	.2							13.8	7.7
WNW	.5	1.0	.8	.2								2.5	5.9
NW	1.7	1.3	.3									2.6	4.2
NNW	.3	.3	.3	.3								1.3	6.5
VARBL			7.2	1.5	.2							8.9	9.1
CALM												7.2	
	16.7	33.1	33.4	8.5	.8	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 610

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

16190 STATION BAUMHOLDER DL 73-82 YEARS MONTH 1900-1900
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	3.1	.3									5.5	4.1
NNE	1.8	3.4	2.4									7.6	5.4
NE	1.0	2.0	2.0	.3								5.2	6.1
ENE	.8	1.6	1.1	.2								3.7	5.9
E	1.3	2.6	2.0	.5								6.3	6.3
ESE	1.5	1.8										3.3	4.1
SE	.3	1.1	.3									1.8	4.7
SSE	.2	.5	.5									1.1	5.6
S	.3	.5										.8	3.8
SSW	.7	1.1	1.0	.3								3.1	6.1
SW	.5	2.3	2.4	1.8								7.0	8.4
WSW	1.1	2.6	6.7	3.4	.7							14.5	9.0
W	.7	3.6	7.8	3.6	.3							15.9	9.9
WNW	1.3	3.7	.7	.2								5.9	5.1
NW	.5	1.3	.3									2.1	4.8
NNW	1.0	1.3	.3									2.6	4.8
VARBL			7.5	2.1	.5							10.1	10.1
CALM												3.4	
	15.0	32.5	35.3	12.4	1.5							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 615

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

16190 STATION BAUMHOLDER DL 73-62 YEARS JUN DATE
ALL WEATHER CLASS 1500-1700 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3										2.6	3.7
NNE	1.5	5.1	1.7	.2								8.4	5.6
NE	.8	3.8	2.6	.2								7.3	6.1
ENE	.8	1.5	.8	.4								3.4	6.2
E	1.3	1.9	2.1	1.5								6.8	7.4
ESE	1.1	1.9	.6									3.6	4.7
SE	.8	.4	.6									1.7	5.1
SSE	1.7	.4	.4									2.4	3.3
S	.2	1.3	.2									1.7	5.3
SSW	.4	.6	.9	.6								2.4	7.5
SW	.2	1.5	1.5	.8								3.9	7.6
WSW	.4	3.4	7.5	3.8								15.0	8.9
W	1.3	4.9	7.9	3.6								17.6	8.0
WNW	.9	3.6	1.1	.2								5.8	5.3
NW	.8	.9	.4	.2								2.3	5.5
NNW	.6	1.5	.4	.2								2.6	5.2
VARBL			5.6	2.1	.4							8.1	10.1
CALM												4.3	
	13.9	33.8	34.1	13.5	.4							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 533

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

176190
STATION

BAUMHOLDER DL
STATION NAME

73-82
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.0										5.1	2.9
NNE	1.5	2.7	1.5	.2								5.9	5.1
NE	.7	3.2										3.9	4.1
ENE	1.2	1.7	.5									3.4	4.1
E	.5	.7	.2									1.5	4.8
ESE		.2										.2	4.0
SE													
SSE													
S	.2	.2										.5	3.5
SSW	.5	1.2	.7									2.4	5.5
SW	3.4	4.6	3.9	1.2								13.2	5.8
WSW	2.7	5.1	7.3	1.0								16.1	6.6
W	2.9	2.7	2.4	.5								8.6	5.7
WNW	1.0	.7										1.7	3.0
NW	.7	.7										1.5	3.5
NNW	1.2	.5	.5									2.5	4.0
VARBL		.5	1.2	.2								2.0	3.3
CALM												32.0	
	19.6	26.9	18.3	3.2								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 409

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 106190 STATION NAME BAUMHOLDER DL YEARS 73-82 MONTH JUL
CLASS ALL WEATHER PERIOD 1900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	3.1	1.5										4.6	3.0
NNE	3.3	2.3	1.3	.5								7.8	4.7
NE	.7	2.6	1.1	.3								4.7	5.7
ENE	1.3	.7	.5									2.4	4.2
E	1.3	4.2	1.1									6.7	5.1
ESE	.5	1.6										2.1	4.1
SE	.3	.7										1.0	3.8
SSE	.5	.3										.8	3.8
S	.7	.5	.5									1.6	4.8
SSW	1.1	1.7	1.5	.3								3.9	6.2
SW	.5	3.1	4.7	1.3	.2							9.8	8.0
WSW	1.3	4.7	8.1	3.4	.3							17.9	8.0
W	1.6	4.4	6.7	1.3								14.0	7.0
WNW	.3	2.1	.2									3.1	4.4
NW	.3	1.5										2.3	3.9
NNW	1.1	.8	1.0									2.9	5.1
VARBL			5.7	1.5								7.2	9.2
CALM												7.2	
	18.9	32.4	32.4	8.6	.5							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 614

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106190 6AUMHOLDER DL 73-82 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1700-1400
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.0	.2									3.3	4.1
NNE	1.8	2.4	1.6	.3								6.2	5.2
NE	1.0	2.6	.3	.2								4.1	5.0
ENE	.2	1.3	1.3									2.8	6.6
E	1.5	3.3	1.5	.2								6.4	5.4
ESE	1.0	1.5	.2									2.0	3.9
SE		1.2	.5									1.8	5.3
SSE	.7	1.1	.5									2.1	4.5
S	.2	1.1	1.0	.2								2.4	6.5
SSW	.7	1.0	1.3	.7								3.6	7.2
SW	.7	1.8	3.1	2.4	.2							8.2	8.7
WSW	.8	3.9	7.3	5.1	.2							17.3	9.1
W	1.5	4.1	9.3	2.8								17.6	8.6
WNW	.8	2.0	1.1									3.9	5.4
NW	1.1	1.1										2.3	3.9
NNW	1.5	1.0	.2	.2								2.8	4.2
VARB		.5	7.3	.7	.3							8.8	8.7
CALM												3.9	
	14.4	31.8	36.7	12.6	.7							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 613

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190 STATION 5AUMHOLDER DL 73-82 YEARS Jul MONTH
ALL WEATHER CLASS 1500-1700 HOURS (LST)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	.6									3.2	3.9
NNE	2.3	4.7	.9									7.9	4.7
NE	1.1	1.9	.8									3.8	5.2
ENE	2.1	1.1	.8									3.9	4.0
E	.5	3.4	1.9	.2								6.0	5.9
ESE	1.7	.2	.2									2.1	3.2
SE	.2	.2										.9	2.8
SSE	.5	.2	.4									1.1	4.5
S	.4		.9	.4								1.7	7.7
SSW	.4	1.1	1.9									3.4	6.8
SW	.9	2.6	4.1	1.1								8.6	7.7
WSW	.6	3.2	7.0	4.5	.4							15.6	9.3
W	2.3	4.7	8.6	3.4								19.0	7.9
WNW	2.1	1.7	.9									4.7	4.5
NW	1.1	1.5	.4									3.0	4.5
NNW	2.9	.9	.2									3.9	3.3
VARBL		.4	6.4	1.9	.2							8.8	9.5
CALM												1.5	
	21.1	29.5	35.9	11.5	.6							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 532

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190 STATION BAUMHOLDER DL 73-82 YEARS AUG MONTH
ALL WEATHER CLASS 2600-0600 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	.7										1.4	2.3
NNE	3.2	5.1	1.2									9.5	4.1
NE	1.7	1.0			.2							2.9	4.7
ENE	.7	1.7	.2									2.9	4.8
E	.7	.5										1.2	3.8
ESE		.5	.5									1.0	6.3
SE	.5	.2										.7	2.3
SSE	.2											.2	1.0
S	.5											.5	3.0
SSW	.2	.2										.2	3.0
SW	2.5	4.2	3.2	.7								10.5	5.7
WSW	2.7	4.9	4.4	.7								12.7	5.9
W	2.0	3.2	1.5	.2								6.9	5.0
WNW	1.7	1.0										2.0	2.9
NW													
NNW	1.0											1.0	2.3
VARBL			1.7									1.7	7.3
CALM												43.1	
	19.6	22.5	12.7	1.7	.2							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 408

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6190 STATION NAME BAUMHOLDER DL 73-82 YEARS MONTH 0900-1100
STATION CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	1.5	.2									5.7	3.2
NNE	4.1	6.2	2.6	.3								13.2	5.7
NE	.7	2.0	1.1									3.7	5.5
ENE	1.5	1.3	.2									2.9	4.1
E	1.8	3.7	2.0									7.5	5.2
ESE	.3	1.6	.7	.2								3.3	5.5
SE	.5	.3	.5									1.8	5.1
SSE	.5	.3										.8	3.0
S	.2	.2	.5									1.5	4.7
SSW	.5	.5	.3	.3								1.0	6.2
SW	.8	3.3	4.1	1.1								9.3	7.1
WSW	.2	3.4	6.5	2.9								13.7	8.4
W	1.3	2.6	2.9	1.6								8.5	7.5
WNW	1.1	2.3	.2									4.1	4.5
NW	2.2	.5	.2									2.8	4.6
NNW	1.5	.5										2.2	2.8
VARBL			5.9	.8								6.7	8.7
CALM												11.4	
	22.4	31.2	27.6	7.3								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 515

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190 BAJMHOLDER DL 73-62 ALL
STATION STATION NAME YEARS MONTH
ALL WEATHER 12-0-1400
CLASS HOUR OF DAY
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	3.2	.5									4.7	4.1
NNE	1.0	3.7	2.6	.8								2.9	5.8
NE	.5	1.3	.5	.2								2.1	5.8
ENE	1.0	2.1	.3									3.4	5.0
E	1.6	3.2	2.4	.5								7.5	6.1
ESE	.5	2.4	.8	.2								4.2	5.2
SE	.5	.8	.5									1.2	4.8
SSE	1.0	.8										1.8	3.2
S	.0	.6	.3									1.0	4.0
SSW	1.0	.5	.5	.6								2.7	5.4
SW	1.0	1.6	3.7	1.8								8.0	7.9
WSW	1.0	2.4	5.9	3.5								12.9	5.8
W	1.3	2.9	4.5	3.0	.2							11.8	5.4
WNW	1.6	1.9	1.4									5.0	5.1
NW	1.1	.8	.5									2.4	4.3
NNW	1.4	.5										2.2	2.8
VARBL		.2	8.9	3.4								12.5	9.4
CALM												4.3	
	19.8	28.6	33.2	13.9	.2							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 626

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 (190) STATION NAME BAUMHOLDER DL 73-82 YEARS ALL MONTHS
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.4	.4									5.2	3.7
NNE	3.3	2.9	3.5	.4								1.1	5.4
NE	1.6	1.5	.4	.2								3.7	4.5
ENE	.7	1.3	.5									2.0	5.2
E	.5	2.9	1.3	.4								5.1	6.5
ESE	.5	1.6	.7	.2								7.1	5.6
SE	.5	1.3	.5									2.4	5.0
SSE	.4	1.1										1.0	3.9
S	.4	1.3	.2									1.8	4.4
SSW	.4	.7	1.1	.9								3.3	6.1
SW	.9	1.8	4.0	1.8								6.5	6.1
WSW	.9	2.2	6.0	3.3								12.4	6.5
W	1.5	3.7	6.6	2.0								13.7	7.8
WNW	1.3	1.6	.9									3.2	4.8
NW	.9	1.5	.7									3.1	5.3
NNW	3.5	1.1										4.0	2.7
VARBL			7.9	2.2								10.1	9.4
CALM												4.8	
	27	29.1	39.7	11.3								100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 547

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190 STATION BAUMHOLDER DL 73-82 YEARS SLP MONTH
CLASS ALL WEATHER 0600-0800
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0											1.0	2.3
NNE	2.3	.7	1.3									3.2	4.1
NE	1.6	2.3	.3									4.3	4.0
ENE	.7	.3	.3									1.3	3.5
E	.3	.7										1.0	4.3
ESE													
SE		.3										.3	6.0
SSE		.7										.7	6.0
S	.3	.3	.3									1.0	6.0
SSW	.3	.3	.7		.7	.3						2.3	11.9
SW	2.6	1.6	4.9	1.3	.3							10.8	7.2
WSW	3.3	4.9	3.3	.7								12.1	5.8
W	1.7	2.3	3.7	.7								6.9	7.0
WNW			.7									.7	8.5
NW													
NNW		.7										.7	4.5
VARBL			.3									.3	7.0
CALM												52.8	
	13.1	15.1	15.1	2.6	1.0	.3						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 305

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 17619C STATION NAME BAUMHOLDER DL YEARS 73-82 MONTH SEP
CLASS ALL WEATHER HOURS (LST) 0900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	.4										3.3	2.4
NNE	1.8	2.9	1.8	.2								6.6	5.4
NE	1.5	3.3	.4									5.3	4.5
ENE	.7	.9	.2									1.8	4.0
E	.4	1.3	1.1	.2								3.1	6.6
ESE	.2	1.3										1.5	5.0
SE	.2	1.1										1.3	4.5
SSE	.4	.4										.9	3.5
S		1.5	.4									2.0	5.7
SSW	.4	1.1	2.0	1.8								5.3	8.6
SW	2.2	4.2	3.3	2.2	.4							12.4	7.2
WSW	1.8	5.8	6.6	5.3	.2							19.7	8.2
W	.4	4.2	4.2	2.2								11.1	7.3
WNW	.7	.4										1.1	3.4
NW	.9	.9										1.8	3.4
NNW	.7	.9										1.5	3.3
VARBL			1.8	.2								2.0	8.2
CALM												19.2	
	15.3	30.8	21.9	12.2	.7							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 452

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-6190 STATION BAUMHOLDER DL 73-82 YEARS SEP MONTH
ALL WEATHER CLASS 1200-1400 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.2	.2									4.2	3.8
NNE	3.4	2.0	1.8									7.2	4.3
NE	.9	1.8	.7									3.4	5.1
ENE	.7	1.8	.9									3.4	5.5
E	.7	2.0	1.1	.2								4.0	5.7
ESE	1.1	.7	1.1									2.9	5.7
SE	.4	1.1	1.3									2.9	6.2
SSE	1.1	2.0										3.1	4.3
S	.4	2.0	.7									3.1	5.9
SSW		2.5	2.5	1.3								6.3	7.8
SW	.7	2.2	4.9	3.1	.7							11.7	9.3
WSW	.9	3.4	6.3	5.8	.7	.2						17.3	9.7
W	1.8	2.0	5.8	2.2								11.9	7.9
WNW	.4	2.0		.2								2.7	5.0
NW	.7	1.3										2.0	4.3
NNW	1.3	1.1	.2									2.7	3.8
VARBL		.2	4.5	2.2								7.0	9.9
CALM												4.5	
	16.1	30.5	32.1	15.2	1.3	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 496

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 176190 STATION NAME BAUMHOLDER DL YEARS 73-82 MONTH SEP
CLASS ALL WEATHER HOURS (L & T) 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.3	.3									2.7	4.1
NNE	1.3	2.9	1.6	.3								6.1	5.4
NE	1.1	1.1	.8									2.9	4.8
ENE	.8	1.1	.8									2.7	5.4
E	1.1	2.4	2.9	.8								7.2	6.5
ESE	.8	.8	.3									1.9	4.0
SE		.5										.5	5.0
SSE	1.1	2.1										3.2	4.2
S	.5	3.5	.3	.5								4.8	5.9
SSW	.3	1.6	1.6	1.9								5.3	8.7
SW	.8	3.2	3.7	3.5								11.2	8.6
WSW	.8	4.8	10.1	4.0	.5							20.3	8.6
W	1.3	2.9	7.5	2.4	.3	.3						14.7	8.5
WNW	1.6	1.9	1.1									4.5	4.7
NW	.3	.8										1.1	4.0
NNW	.8	1.6	.3									2.7	4.5
VARBL		.3	2.7	.5	.3							3.7	9.4
CALM												4.5	
	13.6	32.8	33.9	13.9	1.1	.3						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 375

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-6192 STATION NAME 73-82 YEARS OCT
BAUMHOLDER DL STATION NAME NORTH
ALL WEATHER CLASS 0600-0800
HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7											1.3	2.0
NNE	2.1	1.3	.5									3.9	3.5
NE	1.3	1.0	.3									2.6	3.3
ENE	.8	1.0	.5									2.3	4.6
E	1.0	2.1	.5									3.6	4.4
ESE	.5	.3	.5									1.3	5.2
SE		.3	.3									.5	5.5
SSE	.3	.5										.8	4.0
S	1.3	.3	1.3	.3	.5							3.6	7.3
SSW	1.0	1.6	1.3	.5								4.4	6.4
SW	2.1	1.8	2.9	2.6		.3						9.6	8.0
WSW	2.6	2.6	5.2	3.6	.8							14.8	8.3
W	.3	2.1	1.0	.8								4.2	7.1
WNW	.5		.3									.8	4.0
NW	.3	1.3										1.6	4.7
NNW	.3											.3	2.0
VARBL			2.9	.5								3.4	8.8
CALM												11.0	
	15.6	16.1	17.4	8.3	1.3	.3						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 385

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106190
STATION

BAUMHOLDER DL
STATION NAME

73-82
YEARS

GCT
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	.3										3.1	2.1
NNE	2.9	2.4	.5									5.9	3.8
NE	.9	1.2		.2								2.2	4.2
ENE	1.0	.7	.2	.2								2.1	4.3
E	2.4	2.9	1.7									7.1	4.7
ESE	1.0	.7	.9									2.6	4.8
SE	1.9											1.9	2.1
SSE	.5	.7	.2									1.4	3.6
S		.9	.5	.2								1.5	6.8
SSW	.7	1.2	1.9	.9								4.6	7.7
SW	1.5	3.3	6.4	2.4	.7							14.3	8.2
WSW	2.1	4.8	7.2	4.0	.3							18.4	8.2
W	.5	1.7	1.5	1.4	.3							5.5	8.8
WNW	1.2	.2	.2									1.5	3.4
NW	.5	.5										1.0	3.5
NNW	.9											.9	1.8
VARBL			3.6	1.4	.2							5.2	10.2
CALM												20.8	
	20.8	21.5	24.8	10.5	1.5							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 581

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106190 STATION BAUMHOLDER DL 73-82 YEARS OCT 1978
ALL WEATHER CLASS 1200-1800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.4										4.2	2.8
NNE	2.4	2.6	.2									5.2	3.6
NE	.3	1.0										1.4	3.9
ENE	2.4	2.1										4.5	3.5
E	2.2	2.4	2.4	.3								7.4	5.6
ESE	1.2	2.1	.7									4.0	4.5
SE	1.0	1.0	.2									2.2	3.7
SSE	1.6	.7	.2									2.4	3.4
S	.5	1.4	.2	.3								2.4	5.3
SSW	1.0	2.8	1.6	1.2								6.6	6.7
SW	.9	2.1	6.2	2.6	.2							11.9	8.3
WSW	1.2	3.6	5.2	5.5	1.2							16.8	9.7
W	.9	2.6	2.2	2.4								8.1	5.2
WNW	.5	1.0	.7									2.2	5.1
NW	1.4	.9	.2									2.4	4.0
NNW	1.0	.9	.2									2.1	3.6
VARBL			5.4	2.2	.7							8.3	10.5
CALM												8.0	
	21.3	28.5	25.4	14.7	2.1							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 578

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106190 STATION 73-82 CCT
BAUMHOLDER DL STATION NAME YEARS
ALL WEATHER CLASS 1500-1700 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.3	.2									3.7	1.0
NNE	1.0	3.7	.2									5.8	3.9
NE	1.0	1.3										2.3	4.2
ENE	1.5	1.0	.2									2.7	3.6
E	3.5	3.8	2.5	.4								10.2	4.8
ESE	1.7	2.9	.4									5.0	4.6
SE	1.5	1.5										3.1	3.4
SSE	1.2	.4	.6									2.1	3.9
S	1.2	1.3	.8									3.3	4.6
SSW	1.5	2.3	2.3	.8								6.9	6.5
SW	1.3	4.4	4.2	1.7								11.7	7.0
WSW	1.5	2.9	6.7	3.3	1.0							15.4	9.1
W	1.2	2.5	3.5	1.7	.6							9.4	8.5
WNW	.4	1.0	.2	.2								1.7	6.1
NW	.2	.6										.8	4.5
NNW	1.0	.2										1.2	2.7
VARB			4.2	1.0								5.2	9.1
CALM												9.6	
	22.7	31.2	26.0	9.0	1.5							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 520

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106190 STATION BAUMHOLDER DL 73-82 YEAR 1973
STATION NAME CLASS ALL WEATHER MONTH MAY
CONDITION 0600-0800 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5											.6	1.5
NNE	1.7	2.2	.3									4.2	3.7
NE	.6	.8	.3									1.7	4.7
ENE	.6	.3	.3									1.1	4.3
E	1.7	1.7										3.4	3.3
ESE	.6											.6	2.0
SE	.3											.3	1.0
SSE	.3		1.1									1.4	1.8
S	.8		1.1	.3								2.2	7.5
SSW	.6	.6	2.8	2.2								6.1	9.2
SW	2.5	5.3	4.5	2.5	.6							15.4	7.3
WSW	1.4	5.3	5.6	5.0	1.4							18.7	9.0
W	1.7	3.1	4.7	3.4	.8							13.7	8.7
WNW	.6	1.1	1.4									3.1	5.6
NW													
NNW													
VARBL		.3	.3	.6								1.1	9.8
CALM												26.5	
	13.7	20.7	22.3	14.0	2.8							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 358

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

116190 STATION SAUMHOLDER DL STATION NAME 73-82 YEARS NOV MONTH
ALL WEATHER CLASS 0900-1100 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5										1.1	3.0
NNE	1.1	2.7	1.1									4.9	4.9
NE	1.3	1.1										2.4	3.7
ENE	.2	.9	.7									1.8	5.7
E	.9	1.5	.5									2.9	4.8
ESE	.4	.4	.2									.9	4.4
SE	.2				.2							.4	10.5
SSE	.2		.4	.2	.2							.9	9.8
S		.9	.5	.4								1.8	7.4
SSW	.7	.9	1.1	2.2								4.9	8.5
SW	1.1	4.2	6.6	4.2	.2	.4						16.6	8.7
WSW	1.6	4.9	7.1	5.1	.5							19.4	8.7
W	.5	2.4	5.7	4.2	1.1							13.9	9.8
WNW	.2	1.1	.7	.2								2.2	6.3
NW	.7	.9	.2									1.8	4.5
NNW	1.1	.2										1.3	1.9
VARBL			1.6	1.1								2.7	10.2
CALM												19.9	
	13.9	22.7	26.5	17.6	2.2	.4						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 597

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

16190 STATION GAUMHOLDER DL 72-82 YEAR NOV
STATION NAME CLASS 1200-1400
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.4										2.1	3.0
NNE	1.1	2.9	1.5	.2								5.7	5.6
NE	.4	2.0	.4									2.8	4.9
ENE	.6	.2	.2									.9	3.4
E	.2	1.9	1.3									3.3	6.2
ESE	.4	.9	.7									2.0	5.5
SE	.2	.2										.4	3.0
SSE	.4	.6										.9	4.4
S	.2	.2	1.1	.2								1.7	7.9
SSW	.9	1.1	2.0	1.8								5.9	8.4
SW	.9	3.5	7.2	5.5	.7	.6						18.3	9.7
WSW	.7	3.3	7.2	5.1	.7	.4						17.4	9.8
W	.6	3.1	6.1	5.9	.2	.2						16.0	9.7
WNW	.7	1.8	.9	.4								3.9	6.2
NW	.7	1.3										2.0	4.2
NNW	.4	.9										1.3	3.6
VARBL		.2	2.8	1.1								4.2	9.3
CALM												11.6	
	9.9	24.4	31.2	20.2	1.7	1.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 595

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-6190 STATION NAME SAUMHOLDER DL 23-62 YEARS NGV NORTH
CLASS ALL WEATHER 1500-1700 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.8		.2								1.5	4.7
NNE	1.8	3.0	1.0	.4								6.2	5.0
NE	.8	1.4	.2									2.4	4.1
ENE	.6	1.4	.2									2.2	4.7
E	1.4	2.0	.6									4.0	4.5
ESE	.4	1.4	.2									2.0	4.1
SE	1.2	.2	.2									1.6	3.3
SSE	.5		.2									.4	5.0
S	.4	.2	1.4	.4								2.4	5.4
SSW	.8	1.0	2.8	2.6	.4							7.6	9.4
SW	2.0	3.4	6.6	3.8	1.0	.4	.2					17.5	9.3
WSW	1.6	5.0	6.0	5.6	.4							18.7	8.7
W	1.0	3.6	4.8	3.4	.4							13.3	8.7
WNW	.6	1.6	.8	.4								3.4	6.5
NW	1.0	1.4	.2									2.6	4.2
NNW	.6	.8										1.4	3.3
VARBL			2.2									2.0	6.4
CALM												10.4	
	15.3	27.3	27.3	16.9	2.2	.4	.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 498

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

16195 STATION PAUMHOLTER DL 73-62 YEARS DFC
ALL WEATHER CLASS 1600-2400 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	.3										2.3	2.9
NNE	1.4	1.4	.6									3.4	4.6
NE	.0	.8										1.4	1.4
ENE	.3	.8										1.1	3.9
E	.8	.3	.3									1.4	2.8
ESE	.6	.6	.3									1.4	4.8
SE		1.1	.3									1.4	5.0
SSE	.6	.3										.8	3.0
S	.3	.6	.3	.3								1.4	6.2
SSW	.3	.6	.8	.6	.3							2.5	9.3
SW	.3	2.0	1.1	3.1		.3						6.7	9.7
WSW	2.0	6.7	8.7	7.5	2.5	.9						28.2	12.2
W	1.4	2.5	4.7	2.0	1.1	.3						12.0	9.0
WNW		.6										.6	5.0
NW	.5	.3										.9	3.0
NNW	.6	.3										.8	3.0
VARBL			2.5	2.0	.3							4.7	11.1
CALM												29.5	
	11.5	19.6	19.6	15.4	4.2	1.4						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 358

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 LAUMHOLDER DL STATION NAME 73-82 YEARS D.C. SOUTH
ALL WEATHER CLASS 1992-1996
HOURS 11.5.7
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.2	.5									1.9	3.9
NNE	2.1	2.4	.5									5.4	4.6
NE	.9	.5	.3									1.7	4.2
ENE	.7	1.2	.3									2.2	4.5
E	.7	.5	.3									1.9	4.2
ESE	.3	.7	.2									1.2	4.1
SE		.5	.2									.7	3.5
SSE		.5										.5	3.3
S			.2	.3								1.0	3.2
SSW	.3	1.4	.3	.7	.2							2.9	7.4
SW	.2	3.6	2.2	1.7	1.7	.2						11.7	6.6
WSW	.9	6.6	9.3	6.9	2.1	.2						25.9	9.8
W	1.0	1.7	4.1	4.5	1.2	.3	.2					17.1	11.1
WNW	.2	.3		.2								.7	5.8
NW		.2		.2								.5	7.0
NNW	.2	.5										.7	3.5
VARBL			2.2	1.7	.3							4.3	11.2
CALM												23.6	
	11.1	21.6	20.9	16.2	5.5	.7	.2					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 579

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1-19-77 STATION BAUMHOLDER DL 77-82 YEARS D.L.C. MONTHS 1200-1400 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.3	.4									3.4	3.4
NNE	1.5	2.3	.4									4.2	4.3
NE	.2	.8										1.0	4.4
ENE	1.1	2.0	1.0									5.2	5.1
E	1.0	1.0	.6									3.4	4.6
ESE	1.3	1.0	.2									2.5	5.7
SE	.4	.2	.4									1.0	4.6
SSE			.2									.2	6.2
S		.2		.2								1.0	6.6
SSW	.2	.8	.8	.6	.2							3.0	7.7
SW	1.1	3.4	2.9	1.5	.8	.2						9.9	8.2
WSW	1.5	3.8	8.6	6.7	2.1	.2						23.4	10.3
W	.4	3.4	5.1	7.0	1.7	.2						18.5	11.4
WNW	.2	.2	.4	.2								1.0	6.8
NW	.2	.5	.6									1.3	5.4
NNW	.3	.6										1.3	4.0
VARBL			3.0	2.3	.8	.4						6.5	12.1
CALM												13.3	
	12.4	23.2	24.4	18.5	5.5	2.1						10.0	7.5

TOTAL NUMBER OF OBSERVATIONS 525

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

176197 STATION NAME BAUMHOLDER DL 73-82 YEARS 01C NORTH
CLASS ALL WEATHER 1500-1700 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.0										2.4	3.1
NNE	2.5	2.1	.7									5.5	3.9
NE	.7	1.7	.2									2.6	4.1
ENE	1.0	1.9	.7									3.6	4.7
E	.7	2.4	.5									3.6	4.6
ESE	1.0	.7	.2									1.9	4.1
SE		1.7	.2									1.2	3.6
SSE	.5	.2										.7	3.0
S	1.0	.7										1.7	3.6
SSW	.2	1.2	.5									1.9	5.3
SW	1.9	5.0	2.1	1.0	.2							11.2	6.7
WSW	2.1	5.2	7.6	8.8	1.0	.2	.2					25.2	9.8
W	1.4	3.3	4.5	7.1	2.6							19.0	10.9
WNW		.2	.2									.5	7.0
NW	.5	.5	.2	.2								1.4	6.0
NNW	.2	.5										.7	4.0
VARBL		.2	1.0	.7		.2						2.1	11.1
CALM												15.0	
	15.2	27.8	18.8	18.8	3.8	.5	.2					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 421

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the ≥ 10 mi visibility category should be used with great caution.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 6190 BAUMHOLDE DL

74-83

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. OF OBS.	19	5490	GE87	GE60	GE48	GE40	GE32	GE24	GE22	GE16	GE12	GE10	GE08	GE05	GE04	GE0
≥20000	7.0	10.4	11.0	12.4	12.0	12.9	13.5	13.5	13.8	14.7	14.3	14.3	14.3	14.6	14.6	14.9
18000	7.6	11.2	11.5	13.8	14.6	14.6	15.4	15.4	15.7	16.3	16.6	16.6	16.6	16.9	16.9	17.1
16000	7.6	11.2	11.8	13.8	14.6	14.6	15.4	15.4	15.7	16.3	16.6	16.6	16.6	16.9	16.9	17.1
14000	7.4	11.5	12.1	14.0	14.0	14.9	15.7	15.7	16.0	16.6	16.9	16.9	16.9	17.1	17.1	17.4
12000	7.9	11.8	12.4	14.3	15.2	15.2	16.0	16.0	16.3	16.9	17.1	17.1	17.1	17.4	17.4	17.7
10000	8.4	12.6	13.2	15.2	16.7	16.0	16.9	16.9	17.1	17.7	18.7	18.0	19.7	18.3	18.3	18.5
9000	8.4	12.6	13.2	15.4	16.3	16.3	17.1	17.1	17.4	18.0	18.3	18.3	19.3	18.5	18.5	18.8
8000	1.4	15.4	16.7	18.8	19.7	19.7	20.5	20.8	21.1	21.9	22.2	22.2	22.2	22.8	22.8	23.0
7000	19.4	15.7	16.6	19.4	20.8	20.8	21.6	21.9	22.2	23.0	23.3	23.3	23.3	23.9	23.9	24.2
6000	1.4	15.7	16.7	19.4	20.8	20.8	21.6	21.9	22.2	23.0	23.3	23.3	23.3	23.9	23.9	24.2
5000	1.4	15.7	16.6	19.4	20.8	20.8	21.6	21.9	22.2	23.0	23.3	23.3	23.3	23.9	23.9	24.2
4500	10.4	15.7	16.6	19.4	20.8	20.8	21.6	21.9	22.2	23.0	23.3	23.3	23.3	23.9	23.9	24.2
4000	11.0	16.3	17.1	19.9	21.3	21.3	22.8	23.0	23.3	24.2	24.4	24.4	24.4	25.0	25.0	25.3
3500	12.6	18.5	19.4	22.5	23.9	23.9	25.3	25.6	25.8	26.7	27.0	27.0	27.0	27.5	27.5	27.8
3000	14.0	21.3	23.0	27.5	29.8	30.1	31.7	32.0	32.3	33.1	33.4	33.4	33.4	34.0	34.0	34.3
2500	16.0	23.0	25.3	30.1	32.3	32.6	34.3	34.6	34.8	35.7	36.7	36.0	36.7	36.8	36.8	37.1
2000	19.7	28.7	30.3	36.8	39.3	39.6	41.7	41.9	42.1	43.3	43.8	43.8	43.8	44.7	44.7	44.9
1800	19.7	28.9	30.6	37.9	40.4	40.7	42.4	43.0	43.3	44.4	44.9	44.9	44.9	45.8	45.8	46.1
1600	22.5	32.9	34.6	41.9	45.2	45.8	48.3	49.4	49.7	50.8	51.4	51.4	51.4	52.2	52.2	52.5
1400	23.0	34.6	36.8	44.9	49.4	50.0	52.8	54.2	54.5	56.2	56.7	56.7	56.7	57.9	57.9	58.1
1200	24.7	35.7	37.9	46.9	52.5	53.4	57.3	59.6	60.4	62.4	63.2	63.2	63.8	64.9	64.9	65.2
1000	27.0	36.2	38.5	47.5	53.1	53.9	57.9	60.7	61.5	64.3	64.9	64.9	65.4	66.6	66.6	66.9
900	27.6	37.6	39.9	49.7	55.3	56.2	60.1	63.8	65.2	68.3	68.8	68.8	69.4	70.5	70.5	70.8
800	20.1	38.5	40.7	52.5	58.1	59.0	63.8	68.3	69.9	73.3	73.9	73.9	74.4	75.8	75.8	76.1
700	20.4	38.8	41.0	53.4	59.0	59.8	64.6	70.2	71.9	75.6	76.1	76.1	76.7	78.7	78.7	78.9
600	20.7	39.9	42.1	55.6	61.2	62.1	67.7	74.7	76.7	81.2	81.7	81.7	82.3	84.3	84.3	84.6
500	27.0	40.2	42.4	55.9	62.1	62.9	68.8	77.2	79.8	85.1	85.7	85.7	86.8	89.0	89.9	90.2
400	27.0	40.2	42.4	55.9	62.1	62.9	68.8	77.2	79.8	85.4	86.5	86.5	87.6	91.3	92.7	93.0
300	27.0	40.2	42.4	55.9	62.1	62.9	68.8	77.2	79.8	85.4	86.5	86.5	87.9	93.0	95.2	96.9
200	27.0	40.2	42.4	55.9	62.1	62.9	68.8	77.2	79.8	85.4	86.5	86.5	87.9	93.3	95.5	98.9
100	27.0	40.2	42.4	55.9	62.1	62.9	68.8	77.2	79.8	85.4	86.5	86.8	88.2	93.5	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 156

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-197

DA. MHOLDER 01

74-87

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-1100

CEILING FEET	VISIBILITY: STATUTE MILES										OR (HUNDREDS OF METERS)									
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5
NO. CEILING	193	690	687	660	648	640	632	624	620	616	612	610	608	605	604	600	598	596	594	590
≥ 20000	0.4	9.5	9.5	11.1	11.6	12.3	12.3	13.1	13.1	13.4	13.4	13.6	13.6	14.0	14.1	14.7	15.7	15.9	16.6	17.2
≥ 18000	0.7	11.4	11.4	13.8	14.0	14.3	14.7	15.4	15.4	15.7	15.7	15.9	15.9	16.3	16.6	17.2	17.4	17.9	18.6	19.2
≥ 16000	0.8	12.7	12.2	14.1	14.7	15.0	15.4	16.1	16.1	16.5	16.5	16.6	16.6	17.0	17.4	17.9	18.1	18.6	19.1	19.6
≥ 14000	0.8	12.3	12.5	14.5	15.0	15.4	15.7	16.5	16.5	16.8	16.8	17.0	17.0	17.4	17.7	18.2	18.6	19.1	19.6	20.1
≥ 12000	0.1	12.5	12.7	14.8	15.4	15.7	16.1	16.8	16.8	17.2	17.2	17.4	17.4	17.7	18.1	18.6	19.1	19.6	20.1	20.6
≥ 10000	0.1	13.1	13.2	15.4	15.9	16.3	16.6	17.4	17.4	17.7	17.7	17.9	17.9	18.2	18.6	19.1	19.6	20.1	20.6	21.1
≥ 9000	0.1	13.2	13.4	15.6	16.1	16.5	16.8	17.5	17.5	17.9	17.9	18.1	18.1	18.4	18.8	19.3	19.8	20.3	20.8	21.3
≥ 8000	1.7	16.1	16.8	21.9	21.5	21.8	22.4	23.1	23.1	23.6	23.6	23.8	23.8	24.2	24.5	25.7	25.8	26.3	26.8	27.3
≥ 7000	11.1	10.6	17.4	21.5	22.0	22.4	23.1	23.8	23.8	24.3	24.3	24.5	24.5	24.9	25.2	25.8	26.3	26.8	27.3	27.8
≥ 6000	11.1	10.6	17.4	21.5	22.0	22.4	23.1	23.8	23.8	24.3	24.3	24.5	24.5	24.9	25.2	25.8	26.3	26.8	27.3	27.8
≥ 5000	11.1	10.6	17.4	21.5	22.0	22.4	23.1	23.8	23.8	24.3	24.3	24.5	24.5	24.9	25.2	25.8	26.3	26.8	27.3	27.8
≥ 4500	11.1	10.6	17.4	21.5	22.0	22.4	23.1	23.8	23.8	24.3	24.3	24.5	24.5	24.9	25.2	25.8	26.3	26.8	27.3	27.8
≥ 4000	11.1	10.6	17.4	21.5	22.0	22.4	23.1	23.8	23.8	24.3	24.3	24.5	24.5	24.9	25.2	25.8	26.3	26.8	27.3	27.8
≥ 3500	12.3	17.9	18.6	22.9	23.4	23.8	25.2	25.9	25.9	26.5	26.5	26.7	26.7	27.1	27.4	27.9	28.4	28.9	29.4	29.9
≥ 3000	14.3	21.3	22.7	27.9	29.2	29.5	31.1	31.8	31.8	32.4	32.4	32.6	32.6	32.9	33.3	33.8	34.3	34.8	35.3	35.8
≥ 2500	15.7	24.3	25.8	32.9	34.2	34.5	36.1	37.0	37.0	37.9	37.9	38.1	38.1	38.5	38.8	39.4	39.9	40.4	40.9	41.4
≥ 2000	17.7	27.1	29.7	38.6	39.9	40.3	42.2	43.1	43.1	44.0	44.0	44.2	44.2	44.5	44.9	45.4	45.9	46.4	46.9	47.4
≥ 1800	17.9	27.2	29.2	39.4	40.8	41.1	43.1	44.0	44.0	44.9	44.9	45.1	45.1	45.4	45.8	46.3	46.8	47.3	47.8	48.3
≥ 1600	17.7	29.7	31.8	42.0	44.0	44.4	46.5	48.5	48.5	49.7	49.7	49.9	49.9	50.3	50.6	51.2	51.7	52.2	52.7	53.2
≥ 1400	22.1	32.9	35.1	47.2	50.6	51.0	54.0	56.7	56.7	58.0	58.0	58.1	58.1	58.7	59.0	59.7	60.0	60.6	61.0	61.6
≥ 1200	24.3	35.4	37.7	51.3	55.8	56.2	59.4	63.3	63.5	64.9	64.9	65.1	65.3	65.8	66.2	66.9	67.3	67.8	68.3	68.8
≥ 1000	24.5	36.0	38.3	51.9	56.4	56.7	59.9	64.2	64.6	66.0	66.2	66.4	66.5	67.1	67.4	68.2	68.7	69.2	69.7	70.2
≥ 900	25.4	37.4	39.7	53.8	58.9	59.2	62.4	66.9	67.6	69.1	69.2	69.4	69.6	70.1	70.5	71.2	71.7	72.2	72.7	73.2
≥ 800	25.5	38.8	41.1	57.6	63.5	64.4	67.8	72.8	73.5	75.1	75.3	75.5	75.8	76.4	76.7	77.5	77.9	78.4	78.9	79.4
≥ 700	26.8	39.5	41.9	58.5	64.6	65.5	69.6	74.8	75.5	77.5	77.6	77.8	78.2	78.7	79.1	79.8	80.3	80.8	81.3	81.8
≥ 600	26.8	39.7	42.0	59.7	66.0	66.9	71.2	77.5	78.4	80.9	81.4	81.8	82.1	83.0	83.4	84.1	84.6	85.1	85.6	86.1
≥ 500	26.8	39.7	42.0	60.1	66.9	67.8	73.3	79.6	80.7	84.3	85.3	85.9	86.9	87.3	88.1	89.4	90.2	91.0	91.8	92.6
≥ 400	26.8	39.7	42.0	60.1	66.9	67.8	73.3	79.6	80.7	84.3	85.3	85.9	86.9	87.3	88.1	89.4	90.2	91.0	91.8	92.6
≥ 300	26.8	39.7	42.0	60.1	66.9	67.8	73.3	79.6	80.7	84.3	85.3	85.9	86.9	87.3	88.1	89.4	90.2	91.0	91.8	92.6
≥ 200	26.8	39.7	42.0	60.1	66.9	67.8	73.3	79.6	80.7	84.3	85.3	85.9	86.9	87.3	88.1	89.4	90.2	91.0	91.8	92.6
≥ 100	26.8	39.7	42.0	60.1	66.9	67.8	73.3	79.6	80.7	84.3	85.3	85.9	86.9	87.3	88.1	89.4	90.2	91.0	91.8	92.6
≥ 0	26.8	39.7	42.0	60.1	66.9	67.8	73.3	79.6	80.7	84.3	85.3	85.9	86.9	87.3	88.1	89.4	90.2	91.0	91.8	92.6

TOTAL NUMBER OF OBSERVATIONS 559

CEILING VERSUS VISIBILITY

STATION 6192 BAUMHOLDER DL STATION NAME

74-83

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1200-1400~~

Feet		Nautical Statute Miles															
Feet		0.1 (Hundredths of Meters)															
Feet		210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1	11.1	12.3	12.9	15.8	16.6	16.6	16.8	16.8	16.8	17.9	18.7	18.4	18.4	18.4	19.4	19.5	20.1
2	12.4	14.9	15.1	18.8	20.0	20.0	20.2	20.2	20.2	21.3	21.5	21.9	21.9	21.9	22.7	23.1	23.7
3	13.1	15.3	15.5	19.1	20.6	20.6	20.8	20.8	20.8	21.9	22.0	22.4	22.4	22.4	22.6	23.7	24.7
4	14.0	16.9	17.1	20.9	22.4	22.4	22.6	22.6	22.6	23.9	24.0	24.4	24.4	24.4	24.6	25.7	26.7
5	14.9	17.1	17.3	21.8	23.3	23.3	23.5	23.5	23.5	24.7	24.8	25.2	25.2	25.2	25.4	26.5	27.5
6	15.8	18.0	18.2	22.7	24.2	24.2	24.4	24.4	24.4	25.7	25.8	26.2	26.2	26.2	26.4	27.5	28.5
7	16.7	18.9	19.1	23.6	25.1	25.1	25.3	25.3	25.3	26.5	26.6	27.0	27.0	27.0	27.2	28.3	29.3
8	17.6	19.8	20.0	24.5	26.0	26.0	26.2	26.2	26.2	27.5	27.6	28.0	28.0	28.0	28.2	29.3	30.3
9	18.5	20.7	20.9	25.4	26.9	26.9	27.1	27.1	27.1	28.3	28.4	28.8	28.8	28.8	29.0	30.1	31.1
10	19.4	21.6	21.8	26.3	27.8	27.8	28.0	28.0	28.0	29.3	29.4	29.8	29.8	29.8	30.0	31.1	32.1
11	20.3	22.5	22.7	27.2	28.7	28.7	28.9	28.9	28.9	30.1	30.2	30.6	30.6	30.6	30.8	31.9	32.9
12	21.2	23.4	23.6	28.1	29.6	29.6	29.8	29.8	29.8	31.1	31.2	31.6	31.6	31.6	31.8	32.9	33.9
13	22.1	24.3	24.5	29.0	30.5	30.5	30.7	30.7	30.7	31.9	32.0	32.4	32.4	32.4	32.6	33.7	34.7
14	23.0	25.2	25.4	30.0	31.5	31.5	31.7	31.7	31.7	32.9	33.0	33.4	33.4	33.4	33.6	34.7	35.7
15	23.9	26.1	26.3	30.9	32.4	32.4	32.6	32.6	32.6	33.9	34.0	34.4	34.4	34.4	34.6	35.7	36.7
16	24.8	27.0	27.2	31.8	33.3	33.3	33.5	33.5	33.5	34.7	34.8	35.2	35.2	35.2	35.4	36.5	37.5
17	25.7	27.9	28.1	32.7	34.2	34.2	34.4	34.4	34.4	35.7	35.8	36.2	36.2	36.2	36.4	37.5	38.5
18	26.6	28.8	29.0	33.6	35.1	35.1	35.3	35.3	35.3	36.5	36.6	37.0	37.0	37.0	37.2	38.3	39.3
19	27.5	29.7	29.9	34.5	36.0	36.0	36.2	36.2	36.2	37.5	37.6	38.0	38.0	38.0	38.2	39.3	40.3
20	28.4	30.6	30.8	35.4	36.9	36.9	37.1	37.1	37.1	38.3	38.4	38.8	38.8	38.8	39.0	40.1	41.1
21	29.3	31.5	31.7	36.3	37.8	37.8	38.0	38.0	38.0	39.3	39.4	39.8	39.8	39.8	40.0	41.1	

TOTAL NUMBER OF OBSERVATIONS 589

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-619- BAUMHOLDER DL STATION NAME

74-83 YEAR

1983

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	11.4	14.6	15.2	18.6	19.7	19.0	19.6	20.2	20.2	20.4	20.4	20.4	20.4	20.4	20.6	21.8
≥ 18000 ≥ 16000	14.4	16.6	19.2	22.8	23.4	23.4	24.7	24.6	24.6	24.8	24.8	24.8	24.8	24.8	25.7	26.1
≥ 14000 ≥ 12000	14.4	16.6	19.4	23.0	23.6	23.6	24.2	24.8	24.8	25.1	25.7	25.7	25.7	25.7	25.1	26.3
≥ 10000 ≥ 9500	15.2	19.6	2.2	24.0	24.6	24.6	25.1	25.7	25.7	25.9	25.9	25.9	25.9	25.9	25.9	27.3
≥ 8000 ≥ 7500	16.4	23.0	23.6	27.3	28.7	28.7	29.3	30.5	30.5	30.7	30.7	30.7	30.7	30.7	30.9	32.1
≥ 6000 ≥ 5000	17.0	24.0	24.8	28.9	30.3	30.3	30.9	32.1	32.1	32.5	32.5	32.5	32.5	32.5	32.7	33.9
≥ 4500 ≥ 4000	17.4	24.4	25.1	29.3	30.7	30.7	31.3	32.5	32.5	32.9	32.9	32.9	32.9	32.9	33.1	34.3
≥ 3500 ≥ 3000	18.2	25.1	25.9	3.1	31.5	31.5	32.5	33.7	33.7	34.1	34.1	34.1	34.1	34.1	34.3	35.5
≥ 2500 ≥ 2000	18.8	25.9	26.7	30.9	32.3	32.3	33.3	34.5	34.5	34.9	34.9	34.9	34.9	34.9	35.1	36.3
≥ 1800 ≥ 1500	20.0	27.5	28.1	32.9	34.3	34.3	35.3	36.5	36.5	36.9	36.9	36.9	36.9	36.9	37.1	38.3
≥ 1200 ≥ 1000	22.6	31.3	32.5	38.1	4.1	40.1	41.3	42.5	42.5	42.9	42.9	42.9	42.9	42.9	43.1	44.3
≥ 800 ≥ 600	21.5	34.9	36.7	44.1	46.1	46.1	47.3	48.5	48.5	48.9	48.9	48.9	48.9	48.9	49.1	50.3
≥ 400 ≥ 300	21.5	37.9	39.7	47.7	50.5	50.5	51.7	52.9	52.9	53.5	53.5	53.5	53.5	53.5	54.1	55.3
≥ 200 ≥ 150	24.5	4.5	42.3	57.5	53.1	53.1	54.3	55.5	55.5	56.1	56.5	56.5	56.5	56.5	56.7	57.9
≥ 120 ≥ 100	32.7	45.7	47.5	55.7	58.7	58.7	59.9	61.3	61.3	61.9	62.3	62.3	62.3	62.3	62.5	63.7
≥ 80 ≥ 60	35.1	50.7	53.1	62.7	65.9	65.9	67.1	68.7	68.7	69.3	69.7	69.7	69.7	69.7	69.9	71.1
≥ 40 ≥ 30	37.9	52.7	55.1	66.9	77.7	70.7	72.3	74.7	74.7	75.8	76.2	76.2	76.2	76.2	76.4	77.6
≥ 20 ≥ 15	39.9	55.1	57.5	77.7	75.2	75.2	77.6	80.6	80.6	83.8	84.2	84.2	84.2	84.2	84.4	85.6
≥ 10 ≥ 5	40.7	56.3	58.5	74.1	79.4	79.4	82.2	85.6	85.6	91.0	91.4	91.4	91.4	91.4	91.6	93.0
≥ 5 ≥ 0	40.9	56.3	58.7	74.7	80.2	80.2	83.6	87.0	87.0	93.2	94.6	95.0	96.6	97.6	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 501

GENERAL CLIMATOLOGY BRANCH
ETAC
A) WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME SAUMHOLD OF 01

74-63

555

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

555-2000

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING 20000	61.9	64.9	68.1	65.0	64.8	62.0	63.1	63.1	63.1	63.9	63.9	65.4	66.5	67.3	67.3	68.2
20000	11.0	15.4	17.7	22.0	22.5	22.5	23.7	23.7	23.7	24.8	24.8	26.2	27.3	28.2	28.2	29.3
18000	11.7	16.7	19.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
16000	11.4	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
14000	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
12000	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
10000	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
8000	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
6000	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
4000	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
2000	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
1000	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
500	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
200	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
100	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
50	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
25	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
12.5	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
6.25	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
3.125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
1.5625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.78125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.390625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.1953125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.09765625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.048828125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.0244140625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.01220703125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.006103515625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.0030517578125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.00152587890625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.000762939453125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.0003814697265625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.00019073486328125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.000095367431640625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.0000476837158203125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.00002384185791015625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.000011920928955078125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.0000059604644775390625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.00000298023223876953125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.000001490116119384765625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.0000007450580596923828125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.00000037252902984619140625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.000000186264514923095703125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.0000000931322574615478515625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.00000004656612873077392578125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.000000023283064365386962890625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.0000000116415321826934814453125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.00000000582076609134674072265625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.000000002910383045673370361328125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.0000000014551915228366851806640625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.00000000072759576141834259033203125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.000000000363797880709171295166015625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.0000000001818989403545856475830078125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.00000000009094947017729282379150390625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.000000000045474735088646411895751953125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.0000000000227373675443232059478759765625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.00000000001136868377216160297393798828125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.000000000005684341886080801486968994140625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.000000000002842170943040400743484497072265625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.0000000000014210854715202003717422485386962890625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.00000000000071054273576010018587112426934814453125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.000000000000355271367880050092935562134674072265625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.00000000000017763568394002504646778106732036962890625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.0000000000000888178419700125232338905336601846934814453125	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.000000000000044408920985006261616945266800923196962890625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9
0.000000000000022204460492500313058471334004611596962890625	11.5	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9

CEILING VERSUS VISIBILITY

74-87

FLB

~~2922-1122~~

TOTAL NUMBER OF OBSERVATIONS 529

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

24-23

三

100-1454

TOTAL NUMBER OF OBSERVATIONS 519

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

74-55

712

1542-1720

• 416 •

02 HUNDREDS OF METERS)

[illegible]TOTAL NUMBER OF OBSERVATIONS 480

USAF ETAC 0-14-510L A: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

26

44-38861

[illegible]TOTAL NUMBER OF OBSERVATIONS 420

USAF E'AC 0-14.5 IOL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE
CENTRAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

11127 - HAMMOLDE DL

74-87

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

4897-1127

CEILING (FEET)	VISIBILITY (STATUTE MILES) OR (THOUSANDS OF METERS)															
	200	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	19.1	18.7	15.7	19.3	20.3	20.3	21.1	21.6	21.6	22.2	22.2	22.2	22.2	22.3	22.3	22.3
900	11.1	11.2	13.3	23.1	24.5	24.5	25.7	26.3	26.5	27.7	27.7	27.9	27.9	28.2	28.2	28.4
800	11.1	19.1	19.1	23.9	25.7	25.3	26.5	27.1	27.3	28.5	28.7	29.7	29.7	29.7	29.7	29.1
700	11.1	19.1	19.1	23.9	25.3	25.3	26.5	27.1	27.3	28.5	28.7	29.7	29.7	29.7	29.7	29.1
600	17.1	17.1	19.3	24.0	25.4	25.4	26.7	27.3	27.4	28.7	28.8	29.8	29.8	29.8	29.1	29.3
500	12.3	17.4	19.3	24.5	25.9	25.9	27.1	27.7	27.9	29.1	29.3	29.3	29.3	29.6	29.6	29.7
400	17.3	20.6	21.0	27.1	28.8	28.8	31.2	32.8	31.0	32.4	32.8	32.8	32.8	32.8	32.8	33.0
300	13.1	21.7	22.0	28.4	30.0	30.0	31.8	32.8	32.7	34.1	34.2	34.2	34.2	34.5	34.5	34.7
200	14.1	23.1	23.4	31.1	33.1	33.1	34.7	35.6	35.9	37.3	37.4	37.4	37.4	37.8	37.8	37.9
100	15.1	24.8	25.3	33.1	35.1	35.1	36.8	37.9	38.0	39.8	39.8	39.9	39.9	40.2	40.2	40.4
50	15.7	24.8	25.3	33.1	35.1	35.1	36.8	37.9	38.4	39.9	40.1	40.1	40.1	40.4	40.4	40.5
25	15.7	24.8	25.3	33.1	35.1	35.1	36.8	37.9	38.4	39.9	40.1	40.1	40.1	40.4	40.4	40.5
10	15.7	25.1	25.6	33.6	35.6	35.6	37.3	38.4	38.8	40.4	40.5	40.5	40.5	40.8	40.8	41.0
5	15.7	25.1	25.6	33.6	35.6	35.6	37.3	38.4	38.8	40.4	40.5	40.5	40.5	40.8	40.8	41.0
2	16.2	26.1	26.5	35.3	37.9	37.9	39.6	41.1	41.6	43.1	43.5	43.5	43.5	43.8	43.9	44.1
1	16.4	27.3	27.2	37.9	40.5	40.5	42.4	44.5	45.0	47.1	47.5	47.5	47.5	47.8	47.9	48.1
0.5	17.7	28.5	28.4	39.4	42.7	42.7	44.7	46.8	47.3	49.6	50.1	50.1	50.1	50.4	50.5	50.7
0.25	18.1	29.1	31.0	43.5	46.7	46.7	49.2	51.9	52.4	55.0	55.3	55.3	55.3	55.8	55.9	56.1
0.125	18.0	31.0	32.5	44.2	47.6	47.6	51.1	53.2	53.6	56.2	56.5	56.5	56.5	57.0	57.2	57.3
0.0625	18.7	33.6	36.5	49.2	52.9	52.9	56.4	59.6	59.2	61.8	62.1	62.1	62.1	62.6	62.7	62.9
0.03125	24.1	33.4	39.9	54.1	58.0	58.9	63.0	65.2	65.8	68.7	69.0	69.0	69.0	69.5	69.6	69.8
0.015625	26.1	42.4	44.5	59.3	64.0	64.9	69.3	71.6	72.3	75.2	75.5	75.5	75.5	76.2	76.1	76.3
0.0078125	27.1	43.0	45.1	60.9	66.4	66.4	71.0	73.7	74.4	77.5	77.8	77.8	77.8	78.3	78.4	78.6
0.00390625	28.2	44.5	46.7	63.1	69.9	68.9	73.5	76.4	77.3	80.6	80.9	80.9	81.0	81.4	81.5	81.7
0.001953125	28.3	45.9	48.1	65.2	72.6	72.6	77.8	80.9	82.0	85.4	85.7	85.7	85.8	86.1	86.3	86.4
0.0009765625	28.7	46.1	48.2	65.9	74.0	74.0	79.7	83.2	84.3	87.7	88.1	88.1	88.6	88.9	89.1	89.2
0.00048828125	29.1	46.1	48.2	66.3	74.6	74.6	80.7	84.4	85.5	89.8	90.8	91.1	91.5	92.4	92.6	92.9
0.000244140625	29.1	46.1	48.2	66.3	74.6	74.6	81.1	85.7	86.4	92.3	93.2	93.5	94.1	95.1	95.2	95.5
0.0001220703125	29.1	46.1	48.2	66.3	74.6	74.6	81.2	85.8	87.4	93.2	94.3	94.6	95.2	97.4	97.5	97.8
0.00006103515625	29.1	46.1	48.2	66.3	74.7	74.7	81.4	86.0	87.5	93.4	94.5	94.9	95.7	98.2	98.9	99.2
0.000030517578125	29.1	46.1	48.2	66.3	74.7	74.7	81.4	86.0	87.5	93.4	94.5	94.9	95.7	98.3	99.1	99.8
0.0000152587890625	29.1	46.1	48.2	66.3	74.7	74.7	81.4	86.0	87.5	93.4	94.5	94.9	95.7	98.3	99.1	99.8

TOTAL NUMBER OF OBSERVATIONS 649

CEILING VERSUS VISIBILITY

74-87

445

~~1222-1420~~

TOTAL NUMBER OF OBSERVATIONS 644

USAF ETAC 0-14.5 DL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

74-8'

455

~~1500-1700~~

TOTAL NUMBER OF OBSERVATIONS 597

USAF ETAC ^{FORM} 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME CAUMHOLDEP DL

74-87

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6522-6600

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
1000	27.1	28.5	29.9	33.4	34.9	34.9	36.6	37.1	37.6	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
900	27.1	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
800	27.1	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
700	27.1	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
600	27.1	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
500	27.1	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
400	27.1	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
300	27.1	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
200	27.1	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
100	27.1	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
0	27.1	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8

TOTAL NUMBER OF OBSERVATIONS 404

GLOBAL CLIMATOLOGY BRANCH
 SAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 190 CAUMHOLDER DL YEAR 74-67 APP 6000-1100

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	27.7	34.2	34.5	38.4	41.6	47.6	41.1	41.9	41.9	42.1	42.1	42.1	42.2	42.2	42.2	42.2
18000	27.2	37.5	38.1	42.6	44.7	44.7	45.2	46.1	46.7	46.2	46.2	46.2	46.4	46.4	46.4	46.4
16000	27.2	37.6	38.1	42.7	44.9	44.9	45.4	46.2	46.2	46.4	46.4	46.4	46.5	46.5	46.5	46.5
14000	27.2	37.6	38.1	42.7	44.9	44.9	45.4	46.2	46.2	46.4	46.4	46.4	46.5	46.5	46.5	46.5
12000	27.5	38.1	38.4	43.1	45.2	45.2	45.7	46.5	46.5	46.7	46.7	46.7	46.9	46.9	46.9	46.9
10000	30.4	38.8	39.3	43.9	46.0	46.0	46.5	47.4	47.4	47.5	47.5	47.5	47.7	47.7	47.7	47.7
8000	31.5	41.8	41.3	45.9	48.3	48.3	49.0	50.2	50.2	50.3	50.3	50.3	50.5	50.5	50.5	50.5
6000	32.3	42.4	42.9	48.1	50.5	50.5	51.2	52.3	52.3	52.3	52.5	52.5	52.6	52.6	52.6	52.6
4000	33.7	43.6	44.2	50.3	53.0	53.0	53.8	55.1	55.1	55.1	55.1	55.1	55.3	55.3	55.3	55.3
2000	37.1	45.4	46.2	52.3	55.0	55.3	56.3	57.6	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9
1000	37.1	45.4	46.2	52.3	55.0	55.3	56.3	57.6	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9
500	37.1	45.4	46.2	52.3	55.0	55.3	56.3	57.6	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9
200	37.1	45.4	46.2	52.3	55.0	55.3	56.3	57.6	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9
100	37.1	45.4	46.2	52.3	55.0	55.3	56.3	57.6	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9
50	37.1	45.4	46.2	52.3	55.0	55.3	56.3	57.6	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9
20	37.1	45.4	46.2	52.3	55.0	55.3	56.3	57.6	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9
10	37.1	45.4	46.2	52.3	55.0	55.3	56.3	57.6	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9
5	37.1	45.4	46.2	52.3	55.0	55.3	56.3	57.6	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9
2	37.1	45.4	46.2	52.3	55.0	55.3	56.3	57.6	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9
1	37.1	45.4	46.2	52.3	55.0	55.3	56.3	57.6	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9
0	37.1	45.4	46.2	52.3	55.0	55.3	56.3	57.6	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9

TOTAL NUMBER OF OBSERVATIONS 676

GLOBAL CLIMATOLOGY BRANCH
AFETAC
ADDITIONAL SERVICE/MAC

CEILING VERSUS VISIBILITY

619
STATION

BAUMHOLDER DL
STATION NAME

74-83
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
LOCAL TIME

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. CEILING 20000	3.0	34.1	34.3	36.4	37.6	37.6	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
2 18000	33.4	37.4	37.6	4.4	41.6	41.6	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
2 16000	33.4	37.6	37.7	40.6	41.7	41.7	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
2 14000	33.4	37.6	37.7	40.6	41.7	41.7	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
2 12000	34.3	38.1	38.2	41.1	42.2	42.2	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
2 10000	35.1	39.1	39.2	42.1	43.2	43.2	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
2 8000	36.3	4.9	4.1	43.9	45.2	45.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
2 7000	40.1	45.2	45.4	48.3	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
2 6000	41.7	46.9	47.2	5.3	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
2 5000	42.7	48.2	48.5	51.7	53.3	53.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
2 4000	43.4	48.8	49.2	52.3	54.1	54.1	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
2 3000	44.7	5.2	52.5	54.1	56.0	56.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
2 2000	46.1	52.3	52.6	56.6	53.4	58.4	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
2 1000	47.1	60.9	61.3	67.1	69.0	69.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
2 000	55.6	62.9	63.2	69.1	71.0	71.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
1800	57.1	67.1	67.5	74.1	76.0	76.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
1600	57.9	68.5	69.7	76.2	78.1	78.1	79.8	79.8	79.8	79.8	80.0	80.0	80.0	80.0	80.1	80.1
1400	63.9	73.1	73.5	80.6	82.6	82.6	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.6	84.6
1200	66.4	77.3	78.1	85.9	87.9	87.9	89.6	89.7	89.7	89.9	89.9	89.9	89.9	89.9	90.1	90.1
1000	67.4	79.0	79.6	87.9	89.9	89.9	91.6	91.7	91.7	91.9	91.9	91.9	91.9	91.9	92.1	92.1
800	67.7	79.6	8.3	89.1	91.1	91.1	92.7	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.4	93.4
600	67.7	80.6	81.3	9.2	92.9	92.9	94.5	95.1	95.1	95.5	95.5	95.5	95.5	95.5	96.0	96.0
400	77.0	80.8	81.5	90.7	93.4	93.4	95.0	95.5	95.5	96.2	96.2	96.2	96.2	96.2	96.5	96.5
200	67.1	80.8	81.5	90.7	93.4	93.4	95.4	96.0	96.0	96.5	96.5	96.5	96.5	96.5	97.0	97.0
000	67.1	80.8	81.5	90.7	93.4	93.4	95.4	96.2	96.2	97.0	97.0	97.0	97.0	97.0	97.7	97.7
100	67.1	80.8	81.5	90.7	93.4	93.4	95.9	96.7	97.7	97.8	97.8	97.8	97.8	97.8	98.5	98.5
50	67.1	80.8	81.5	90.7	93.4	93.4	95.9	96.7	97.0	97.8	97.8	97.8	97.8	97.8	98.5	98.5
0	67.1	80.8	81.5	90.7	93.4	93.4	95.9	96.7	97.0	97.8	97.8	97.8	97.8	97.8	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 609

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1900 0400HOLDED 01 74-83 APR 1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.5	0.3	0.2	0.1	0.05	0.01
≥10000	34.4	4.1	42.1	42.8	43.7	43.0	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
8000	34.7	40.7	40.7	43.4	43.6	43.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
6000	34.7	40.7	40.7	43.4	43.6	43.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
4000	35.1	41.1	41.1	43.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
2000	35.7	41.8	41.8	44.5	44.7	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
1000	39.0	44.1	44.1	46.8	47.4	47.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
800	39.6	44.7	44.7	47.4	48.7	48.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
600	41.5	47.8	47.8	5.7	51.2	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
400	4.6	48.9	48.9	51.8	52.4	52.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
200	43.7	49.3	49.3	52.2	52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
100	43.7	50.5	5.5	53.4	53.9	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
80	44.5	51.4	51.4	54.3	54.9	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
60	45.7	53.7	53.7	56.2	56.8	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
40	44.5	57.8	57.8	61.6	62.2	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
20	44.5	64.3	64.3	69.9	70.4	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
10	50.4	66.8	66.8	72.4	72.9	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
8	51.9	72.2	72.4	78.3	78.9	78.9	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
6	50.8	74.1	74.3	80.4	81.0	81.0	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
4	44.7	79.7	79.8	86.2	86.8	86.8	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
2	66.2	82.7	82.9	89.3	89.8	89.8	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
1	67.3	84.5	84.6	91.2	91.7	91.7	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
0.8	66.3	84.8	85.1	92.1	92.9	92.9	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
0.6	66.3	85.4	85.6	93.1	94.7	94.7	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
0.4	66.3	85.6	85.8	93.3	94.2	94.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
0.2	66.3	85.6	85.8	93.3	94.4	94.4	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
0.1	66.3	85.6	85.8	93.3	94.6	94.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
0.05	66.3	85.6	85.8	93.3	94.6	94.6	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
0.01	66.3	85.6	85.8	93.3	94.6	94.6	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS 521

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 197

BAUMHOLDER DL

74-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6500-6000

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO. CEILING	21.9	34.8	35.5	36.5	37.1	37.1	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
20000	32.0	39.6	40.4	42.4	42.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
18000	32.1	39.6	40.4	42.4	42.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
16000	32.1	39.6	40.4	42.4	42.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
14000	32.2	40.1	40.9	43.4	43.9	43.9	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
12000	32.5	40.4	41.1	43.7	44.2	44.2	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
10000	33.0	40.4	41.6	44.7	45.2	45.2	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
9000	34.4	42.6	43.4	46.4	47.0	47.0	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
8000	34.5	45.4	46.2	49.7	50.5	50.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
7000	36.6	48.2	49.5	53.6	54.3	54.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
6000	39.1	48.7	50.5	54.1	54.8	54.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
5000	39.6	49.2	50.5	54.6	55.3	55.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
4500	39.6	49.5	50.8	54.8	55.6	55.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
4000	40.6	50.5	51.8	55.8	56.6	56.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
3500	41.9	52.1	53.3	57.6	58.4	58.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
3000	42.2	56.9	58.1	63.5	64.2	64.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
2500	43.4	57.1	58.4	64.5	65.2	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
2000	47.2	58.6	59.9	66.2	67.0	67.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
1800	47.2	58.9	60.7	66.8	67.5	67.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
1600	50.0	62.7	64.2	71.8	72.6	72.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
1400	51.1	64.5	66.7	74.9	76.1	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
1200	51.1	65.5	67.5	76.6	77.9	77.9	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
1000	52.0	65.7	67.8	77.4	78.9	78.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
900	52.5	66.5	68.5	78.7	80.5	80.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
800	52.8	67.1	69.7	79.7	82.0	82.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
700	52.8	67.3	69.3	80.5	83.5	83.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
600	52.8	67.3	69.3	80.5	83.5	83.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
500	52.8	67.3	69.3	80.5	83.5	83.5	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
400	52.8	67.3	69.3	80.5	83.5	83.5	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
300	52.8	67.3	69.3	80.5	83.5	83.5	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
200	52.8	67.3	69.3	80.5	83.5	83.5	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
100	52.8	67.3	69.3	80.5	83.5	83.5	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3

TOTAL NUMBER OF OBSERVATIONS 394

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 1980 FAUMHOLDEP DL STATION NAME

74-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

900-1100

VISIBILITY STATUTE MILES										OR (HUNDREDS OF METERS)									
CEILING FEET	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9
NO. REPORTED 20000	319	509	687	660	648	643	637	624	620	616	612	610	608	605	604	603	602	601	600
18000	33.3	30.6	38.9	40.1	41.4	40.4	47.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
16000	35.3	42.5	42.8	44.3	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
14000	36.2	42.8	43.1	44.7	45.0	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
12000	36.4	43.1	43.3	44.8	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
10000	36.7	43.8	44.2	45.7	46.0	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
8000	37.1	44.0	44.3	45.9	46.2	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
6000	37.5	45.9	46.2	47.9	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
4000	41.1	44.9	51.3	52.3	52.6	52.6	52.8	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2000	43.3	52.8	53.1	55.7	56.0	56.0	56.2	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
1000	43.5	53.0	53.3	55.8	56.2	56.2	56.3	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
500	44.0	53.6	54.0	56.5	56.9	56.9	57.0	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
250	44.1	54.7	55.0	57.5	57.9	57.9	58.2	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
125	44.2	56.2	56.5	59.2	59.6	59.6	59.7	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
62.5	47.5	57.7	58.1	60.9	61.4	61.4	61.8	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
31.25	47.5	65.5	65.8	69.1	69.5	69.5	69.9	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
15.625	48.1	66.8	67.2	71.9	72.4	72.4	72.8	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
7.8125	50.3	70.2	70.9	76.5	77.0	77.0	77.3	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
3.90625	56.7	71.9	71.7	77.2	77.7	77.7	78.0	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
1.953125	57.4	73.8	74.1	80.2	80.7	80.7	81.1	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
976.5625	61.1	76.8	77.2	83.6	84.1	84.1	84.4	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
488.28125	61.1	76.8	77.3	83.8	84.4	84.4	84.9	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
244.140625	61.6	77.8	77.3	84.8	85.8	86.0	86.5	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
122.0703125	62.6	79.5	80.7	87.6	88.7	88.8	89.5	90.5	90.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
61.03515625	63.1	80.4	80.9	89.0	90.0	90.4	91.2	92.2	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
30.517578125	63.3	80.7	81.2	90.2	91.9	92.2	93.4	94.9	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
15.2587890625	63.3	80.7	81.2	90.4	92.4	92.7	94.6	96.6	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
7.62939453125	63.3	80.7	81.2	90.5	92.6	92.9	95.1	97.1	97.6	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
3.814697265625	63.3	80.7	81.2	90.5	92.7	93.1	95.3	97.5	98.0	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
1.9073486328125	63.3	80.7	81.2	90.5	92.7	93.1	95.3	97.5	98.0	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 591

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 19 BAUMHOLDER DL

74-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	9	8	7	6	5	4	3	2	1	1/2	1/4	1/8	1/16	1/32	1/64
≥10000	32.6	32.8	32.9	33.1	33.3	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
8000	34.1	34.3	34.3	34.7	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
6000	34.5	34.7	34.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
4000	34.6	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
2000	35.1	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
1000	36.3	41.5	41.5	41.8	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
800	33.3	43.7	43.7	44.0	44.2	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
600	43.4	49.4	49.4	49.7	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
400	46.6	53.3	53.3	53.6	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
200	47.1	54.1	54.1	54.8	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
100	47.2	54.3	54.3	55.1	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
80	47.2	55.5	55.5	56.3	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
60	47.2	56.6	56.6	57.5	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
40	62.4	61.7	61.7	61.5	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
20	70.5	71.6	71.6	71.6	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
10	75.5	76.3	76.3	77.5	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
8	76.5	77.3	77.3	78.7	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
6	77.9	78.7	79.7	80.2	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
4	77.9	82.5	83.7	84.5	84.7	84.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
2	83.8	86.6	87.1	88.6	88.7	88.9	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1	84.1	86.9	87.4	88.9	89.1	89.2	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
3/4	84.3	87.6	88.4	90.4	90.8	90.9	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
1/2	84.3	89.1	90.1	92.4	92.8	92.9	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
1/4	85.7	89.7	90.9	93.4	93.9	94.1	95.1	95.8	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3
1/8	85.7	90.3	91.4	94.1	95.1	95.3	96.6	97.5	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1/16	85.3	90.6	91.8	94.5	95.5	95.6	97.7	97.8	98.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5
1/32	85.3	90.6	91.8	94.6	95.6	95.8	97.3	98.7	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1/64	85.3	90.6	91.8	94.6	95.8	96.0	97.5	98.8	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1/128	85.3	90.6	91.8	94.6	95.8	96.0	97.5	98.8	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1/256	85.3	90.6	91.8	94.6	95.8	96.0	97.5	98.8	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 595

CEILING VERSUS VISIBILITY

~~15-C-17CC~~

TOTAL NUMBER OF OBSERVATIONS 492

U.S. AIR FORCE
CENTRAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1970 SAUMHOLDER DL

73-67

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

426-0000

CEILING FEET	VISIBILITY STATISTICS OR HUNDREDS OF METERS															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
100	26.7	36.0	36.5	38.2	39.2	39.7	40.4	40.9	40.9	41.4	41.4	41.6	41.6	41.6	41.6	41.9
125	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
150	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
175	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
200	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
225	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
250	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
275	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
300	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
325	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
350	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
375	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
400	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
425	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
450	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
475	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
500	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
525	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
550	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
575	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
600	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
625	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
650	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
675	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
700	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
725	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
750	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
775	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
800	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
825	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
850	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
875	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
900	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
925	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
950	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
975	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
1000	26.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8

TOTAL NUMBER OF OBSERVATIONS 426

CEILING VERSUS VISIBILITY

7-6

100

[illegible]

22

CEILING VERSUS VISIBILITY

7-62

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100-4422

TOTAL NUMBER OF OBSERVATIONS 222

AD-A137 583

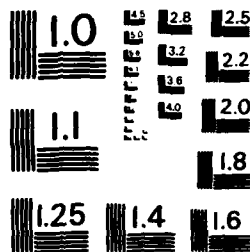
BAUMHOLTER GERMANY (WEST) LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARY (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 09 JAN 84
USAFETAC/DS-84/001 S81-AD-E850 506 F/G 4/2

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963-A

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6197 BAUMHOLDER DL

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9	≥6 EQ90	≥5 GF80	≥4 GF60	≥3 GF48	≥2.5 GF40	≥2 GF32	≥1.5 GF24	≥1 GF20	≥0.75 GF16	≥0.5 GF12	≥0.25 GF10	≥0.15 GF08	≥0.1 GF05	≥0.05 GF04	≥0.01 GFO
NO CEILING	29.4	36.1	36.1	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 20000	37.5	45.7	45.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 18000	37.5	45.7	45.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 16000	37.5	45.7	45.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 14000	37.5	45.7	45.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 12000	37.8	46.1	46.1	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 10000	39.9	48.3	48.3	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 9000	47.1	48.5	48.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 8000	46.4	57.3	57.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 7000	51.7	62.3	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 6000	51.3	62.5	62.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 5000	52.4	63.7	63.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 4500	53.4	64.8	64.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 4000	56.4	68.7	68.7	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3500	59.2	72.5	72.5	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3000	66.1	82.0	82.0	83.9	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2500	67.4	83.5	83.5	86.9	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	69.1	86.3	86.3	89.7	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1800	69.1	86.5	86.5	90.4	90.6	90.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1500	73.1	91.4	91.4	95.3	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	74.2	93.3	93.3	97.9	98.3	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	74.2	93.3	93.3	97.9	98.3	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	74.5	93.8	94.0	98.5	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	74.7	94.2	94.2	98.7	99.1	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	74.7	94.0	94.2	98.7	99.1	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	74.7	94.0	94.2	98.7	99.1	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	74.7	94.0	94.2	98.7	99.1	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	74.7	94.0	94.2	98.7	99.1	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	74.7	94.0	94.2	98.7	99.1	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	74.7	94.0	94.2	98.7	99.1	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	74.7	94.0	94.2	98.7	99.1	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	74.7	94.0	94.2	98.7	99.1	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 514

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

16190
STATION

BAUMHOLDER DL
STATION NAME

73-87
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
	GT9	EC90	GE80	GE60	GE40	GE20	GE12	GE24	GE20	GE16	GE12	GE10	GE08	GE05	GE04	GE0
NO CEILING	11.3	35.7	36.7	37.7	38.4	38.4	38.9	39.1	39.1	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 20000	25.2	41.8	42.8	43.8	44.5	44.5	45.0	45.2	45.2	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 18000	25.2	41.8	42.8	43.8	44.5	44.5	45.0	45.2	45.2	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 16000	25.2	41.8	42.8	43.8	44.5	44.5	45.0	45.2	45.2	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 14000	25.2	41.8	42.8	43.8	44.5	44.5	45.0	45.2	45.2	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 12000	25.7	42.3	43.3	44.5	45.2	45.2	45.7	46.0	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 10000	27.6	44.3	45.2	46.5	47.2	47.2	47.7	47.9	47.9	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 9000	28.9	46.5	47.4	49.4	50.1	50.1	50.6	50.9	50.9	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 8000	30.8	48.7	50.1	52.6	53.5	53.5	54.0	54.3	54.3	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 7000	33.7	51.3	52.8	55.5	56.7	56.7	57.7	57.9	57.9	58.7	58.9	58.9	58.9	58.9	58.9	58.9
IV 6000	33.0	51.3	52.8	55.5	56.7	56.7	57.7	57.9	57.9	58.7	58.9	58.9	58.9	58.9	58.9	58.9
IV 5000	34.0	52.6	54.0	56.7	57.9	57.9	58.9	59.2	59.2	59.9	60.1	60.1	60.1	60.1	60.1	60.1
IV 4500	34.7	53.5	55.0	57.7	58.9	58.9	59.9	60.1	60.1	60.9	61.1	61.1	61.1	61.1	61.1	61.1
IV 4000	37.2	56.1	57.7	60.9	62.1	62.1	63.1	63.6	63.6	64.3	64.5	64.5	64.5	64.5	64.5	64.5
IV 3500	37.9	57.2	58.9	62.3	63.6	63.6	64.5	65.0	65.0	65.8	66.0	66.0	66.0	66.0	66.0	66.0
IV 3000	40.6	60.9	62.8	68.0	69.2	69.2	70.7	71.6	71.6	72.4	72.6	72.6	72.6	72.6	72.6	72.6
IV 2500	42.5	64.1	66.0	71.1	72.6	72.6	74.1	75.1	75.1	75.8	76.0	76.0	76.0	76.0	76.0	76.0
IV 2000	43.7	65.3	67.5	72.6	74.1	74.1	75.6	76.5	76.5	77.5	77.8	77.8	77.8	77.8	77.8	77.8
IV 1800	43.5	66.3	68.5	73.6	75.1	75.1	76.5	77.5	77.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7
IV 1500	44.3	67.7	70.2	77.3	79.2	79.2	80.7	81.7	81.7	82.6	82.9	82.9	82.9	82.9	82.9	82.9
IV 1200	46.2	71.1	73.6	80.7	82.9	82.9	84.6	85.6	85.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8
IV 1000	47.4	73.8	76.3	84.4	86.6	86.6	89.0	90.0	90.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4
IV 900	47.7	74.3	76.8	84.8	87.3	87.3	90.0	91.0	91.0	92.2	92.4	92.4	92.4	92.4	92.4	92.4
IV 800	48.2	75.6	78.7	86.8	89.2	89.2	92.2	93.2	93.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6
IV 700	48.7	76.3	79.7	88.0	90.5	90.5	93.9	94.9	94.9	96.1	96.3	96.6	96.6	96.6	96.6	96.6
IV 600	48.9	76.8	79.5	88.5	91.0	91.4	95.1	96.3	96.3	97.6	97.8	98.0	98.0	98.0	98.0	98.0
IV 500	48.9	76.8	79.5	88.8	91.2	91.7	95.8	97.6	97.6	99.0	99.3	99.5	99.5	99.5	99.5	99.5
IV 400	48.9	76.8	79.5	88.8	91.2	91.7	95.8	97.6	97.6	99.0	99.3	99.5	99.5	99.5	99.5	99.5
IV 300	48.9	76.8	79.5	88.8	91.2	91.7	95.8	97.6	97.6	99.0	99.3	99.5	99.5	99.5	99.5	99.8
IV 200	48.9	76.8	79.5	88.8	91.2	91.7	95.8	97.6	97.6	99.0	99.3	99.5	99.5	99.5	99.5	99.8
IV 100	48.9	76.8	79.5	88.8	91.2	91.7	95.8	97.6	97.6	99.0	99.3	99.5	99.5	99.5	99.5	100.0
IV 0	48.9	76.8	79.5	88.8	91.2	91.7	95.8	97.6	97.6	99.0	99.3	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 409

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6190

BAUMHOLDER DL

73-82

1944

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
	GT9	EQ90	GF80	GF60	GF40	GF20	GF10	GF5	GF2	GF1	GF0.5	GF0.25	GF0.1	GF0.05	GF0.025	GF0.01
NO CEILING	25.9	36.0	36.6	38.1	38.4	38.4	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥ 20000	29.5	40.1	40.7	42.3	42.7	42.7	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IN 18000	29.6	40.2	40.9	42.5	42.8	42.8	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IN 16000	29.6	40.2	40.9	42.5	42.8	42.8	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IN 14000	29.6	40.2	40.9	42.5	42.8	42.8	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IN 12000	30.1	40.7	41.5	43.2	43.5	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IN 10000	31.8	42.8	44.1	45.8	46.4	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IN 9000	34.7	46.7	48.0	50.3	51.0	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IN 8000	37.8	50.0	51.3	53.6	54.2	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IN 7000	39.7	52.1	53.4	56.2	57.0	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IN 6000	39.7	52.1	53.4	56.2	57.0	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IN 5000	40.2	53.3	54.6	57.3	58.1	58.1	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IN 4500	40.9	54.1	55.4	58.3	59.1	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IN 4000	42.3	55.5	56.8	59.8	60.6	60.6	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IN 3500	44.7	56.1	59.4	62.5	63.4	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IN 3000	50.0	65.1	66.4	72.2	71.0	71.0	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IN 2500	52.8	68.6	69.9	73.9	75.2	75.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IN 2000	54.4	71.0	72.3	76.7	78.0	78.0	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IN 1800	55.7	71.7	73.0	77.4	78.7	78.7	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IN 1500	57.2	74.4	76.1	81.1	82.4	82.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IN 1200	59.3	77.7	79.6	85.2	86.6	86.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IN 1000	61.4	80.3	82.2	88.3	90.2	90.2	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IN 900	62.2	81.3	83.2	89.7	91.9	91.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IN 800	63.2	82.6	84.5	91.5	94.3	94.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IN 700	63.5	84.2	86.2	93.6	96.6	96.6	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IN 600	63.5	84.5	86.5	94.0	96.9	96.9	97.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IN 500	63.5	84.5	86.5	94.0	96.9	96.9	97.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 400	63.5	84.5	86.5	94.0	96.9	96.9	97.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 300	63.5	84.5	86.5	94.0	97.1	97.1	97.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 200	63.5	84.5	86.5	94.0	97.1	97.1	97.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 100	63.5	84.5	86.5	94.0	97.1	97.1	97.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 0	63.5	84.5	86.5	94.0	97.1	97.1	97.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 618

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6190

BAUMHOLDER DL

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2.2	≥2.1	≥2.0	≥1.8	≥1.6	≥1.4	≥1.2	≥1.0	≥0.8	≥0.6
	GT9	EQ90	GE80	GE60	GE40	GE20	GE12	GE24	GE20	GE16	GE12	GE10	GE08	GE05	GE04	GE02
N/C	26.3	32.6	32.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.9	33.9	33.9	33.9	33.9
≥ 20000	28.9	36.5	36.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.2	38.2	38.2	38.2	38.2
≥ 18000	28.9	36.5	36.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.2	38.2	38.2	38.2	38.2
≥ 16000	28.9	36.5	36.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.2	38.2	38.2	38.2	38.2
≥ 14000	29.7	36.7	37.7	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.3	38.3	38.3	38.3	38.3
≥ 12000	29.7	37.5	37.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.2	39.2	39.2	39.2	39.2
≥ 10000	31.0	39.5	39.8	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.3	41.3	41.3	41.3	41.3
≥ 9000	33.1	41.9	42.3	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.9	43.9	43.9	43.9	43.9
≥ 8000	37.0	45.8	46.2	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8
≥ 7000	41.1	49.1	49.4	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5
≥ 6000	40.1	49.1	49.4	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5
≥ 5000	41.4	50.6	50.9	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0
≥ 4500	41.9	51.1	51.4	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.5
≥ 4000	45.2	55.7	55.3	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4
≥ 3500	57.2	61.5	61.8	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.3	64.3	64.3	64.3	64.3
≥ 3000	57.7	71.3	71.6	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.2	75.2	75.2	75.2	75.2
≥ 2500	61.3	75.4	75.7	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.3	79.3	79.3	79.3	79.3
≥ 2000	63.8	78.8	79.3	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4
≥ 1800	64.1	79.3	79.8	83.8	84.0	84.0	84.0	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3
≥ 1500	67.7	83.0	83.7	87.9	88.3	88.3	88.3	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7
≥ 1200	69.3	86.3	87.1	91.4	91.7	91.7	91.8	92.0	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2
≥ 1000	71.1	88.4	89.2	93.6	94.8	94.8	94.9	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3
≥ 900	72.3	89.7	90.5	95.1	96.2	96.2	96.4	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7
≥ 800	73.1	90.5	91.5	96.6	97.9	97.9	98.0	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4
≥ 700	73.6	91.4	92.3	97.4	98.7	98.9	99.0	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3
≥ 600	73.9	91.7	92.7	97.7	99.0	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
≥ 500	73.9	91.7	92.7	97.7	99.0	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
≥ 400	73.9	91.7	92.7	97.7	99.0	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
≥ 300	73.9	91.7	92.7	97.7	99.0	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
≥ 200	73.9	91.7	92.7	97.7	99.0	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
≥ 100	73.9	91.7	92.7	97.7	99.0	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
≥ 0	73.9	91.7	92.7	97.7	99.0	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 613

CEILING VERSUS VISIBILITY

1500-1700

TOTAL NUMBER OF OBSERVATIONS 512

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/KAC

CEILING VERSUS VISIBILITY

1 6190

BAUMHOLDER DL

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
ROCK 1

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9	≥6 F090	≥5 GF80	≥4 GF60	≥3 GF40	≥2.5 GF30	≥2 GF24	≥1.5 GF20	≥1 GF16	≥.75 GF12	≥.5 GF10	≥.25 GF08	≥.16 GF06	≥.1 GF04	≥.05 GF02	≥0
NO CEILING	26.8	35.9	36.1	41.3	42.0	42.0	43.5	44.7	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	28.3	38.3	38.6	44.2	45.5	45.5	46.9	48.4	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.4
IV 18000	28.3	38.3	38.6	44.2	45.5	45.5	46.9	48.4	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.4
IV 16000	28.3	38.3	38.6	44.2	45.5	45.5	46.9	48.4	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.4
IV 14000	28.7	38.8	39.1	44.7	45.9	45.9	47.4	48.9	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.9
IV 12000	29.5	39.8	40.0	45.7	47.7	47.7	49.1	50.6	51.1	51.4	51.4	51.6	51.6	51.6	51.6	51.8
IV 10000	30.7	41.8	42.0	48.4	50.9	50.9	52.6	54.1	54.5	55.0	55.0	55.3	55.3	55.5	55.5	55.8
IV 9000	31.3	43.2	43.7	50.6	53.6	53.6	55.3	56.8	57.2	58.0	58.0	58.2	58.2	58.5	58.5	58.7
IV 8000	34.2	46.2	46.7	54.1	57.0	57.0	58.7	60.2	60.7	61.7	61.7	61.9	61.9	62.2	62.2	62.7
IV 7000	34.4	46.9	47.4	55.8	58.7	58.7	60.4	61.9	62.4	63.4	63.4	63.9	64.1	64.4	64.4	64.9
IV 6000	34.9	47.4	47.9	56.5	59.5	59.5	61.2	62.7	63.1	64.1	64.1	64.6	64.9	65.1	65.1	65.6
IV 5000	35.6	48.2	48.6	57.5	60.4	60.4	62.4	63.9	64.4	65.8	66.1	66.3	66.6	66.8	66.8	67.3
IV 4500	35.6	48.2	48.6	57.5	60.4	60.4	62.4	63.9	64.4	65.8	66.1	66.3	66.6	66.8	66.8	67.3
IV 4000	36.6	49.1	49.6	58.7	61.7	61.7	63.6	65.1	65.6	67.1	67.3	67.6	67.8	68.1	68.1	68.6
IV 3500	37.8	50.4	50.9	60.2	63.1	63.1	65.1	66.8	67.3	68.8	69.0	69.3	69.5	69.8	69.8	70.3
IV 3000	40.5	54.5	55.5	65.8	68.8	68.8	71.3	73.0	73.5	74.9	75.2	75.4	75.7	75.9	75.9	76.4
IV 2500	41.3	55.5	56.5	67.1	70.5	70.5	73.2	75.2	75.7	77.1	77.6	77.9	78.1	78.4	78.4	78.9
IV 2000	41.3	56.8	57.7	69.8	73.5	73.5	76.2	78.1	78.6	80.1	80.6	80.8	81.1	81.3	81.3	81.8
IV 1800	42.3	57.2	58.2	70.3	74.0	74.0	76.7	78.6	79.1	80.6	81.1	81.3	81.6	81.8	81.8	82.3
IV 1500	43.5	58.7	59.7	72.7	76.4	76.4	79.6	81.6	82.1	83.8	84.3	84.5	84.8	85.0	85.0	85.5
IV 1200	43.7	59.5	60.4	73.7	77.4	77.4	80.8	83.5	84.0	85.7	86.2	86.5	86.7	87.0	87.0	87.5
IV 1000	44.0	60.0	61.4	74.9	79.1	79.1	82.6	85.7	86.5	88.2	88.7	88.9	89.2	89.4	89.4	89.9
IV 900	44.2	60.4	61.9	75.4	79.6	79.6	83.0	86.2	87.0	88.7	89.2	89.4	89.7	89.9	89.9	90.4
IV 800	44.2	61.7	63.1	77.1	81.6	81.6	85.0	88.7	89.4	91.2	91.6	91.9	92.1	92.4	92.4	92.9
IV 700	44.5	61.9	63.4	77.4	82.1	82.1	86.0	89.9	90.7	92.4	92.9	93.1	93.6	93.9	93.9	94.3
IV 600	45.0	62.4	63.9	77.9	82.8	82.8	86.7	90.7	91.4	93.1	93.6	93.9	94.3	94.6	94.6	95.1
IV 500	45.0	62.4	63.9	78.4	83.5	83.5	87.5	92.1	92.9	94.6	95.1	95.3	96.1	96.3	96.3	96.8
IV 400	45.0	62.4	63.9	78.4	83.5	83.5	87.7	92.4	93.1	95.8	96.3	96.6	97.1	97.3	97.3	98.0
IV 300	45.0	62.4	63.9	78.4	83.5	83.5	87.7	92.4	93.1	95.8	96.3	96.8	97.5	97.8	97.8	98.8
IV 200	45.0	62.4	63.9	78.4	83.5	83.5	87.7	92.4	93.1	95.8	96.3	96.8	97.5	98.0	98.3	99.5
IV 100	45.0	62.4	63.9	78.4	83.5	83.5	87.7	92.4	93.1	95.8	96.3	96.8	97.5	98.0	98.3	100.0
IV 0	45.0	62.4	63.9	78.4	83.5	83.5	87.7	92.4	93.1	95.8	96.3	96.8	97.5	98.0	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 907

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6190

BAUMHOLDER DL

73-82

AVE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5900-1100

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9	≥6 EG90	≥5 GE80	≥4 GE60	≥3 GE48	≥2.5 GE40	≥2 GE32	≥1.5 GE24	≥1 GE20	≥1 GE16	≥1 GE12	≥1 GE10	≥1 GE08	≥1 GE05	≥1 GE04	≥1 GE0
NO CEILING	30.3	39.2	39.7	44.1	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 20000	32.9	42.5	42.9	47.5	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 18000	33.1	42.8	43.3	47.8	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 16000	33.1	42.8	43.3	47.8	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 14000	33.1	42.9	43.4	48.0	48.8	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 12000	33.7	43.8	44.4	48.9	52.1	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 10000	36.5	47.5	48.1	54.3	55.6	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 9000	37.8	49.1	49.8	56.4	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 8000	42.3	53.5	54.3	62.1	63.9	63.9	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 7000	42.9	54.6	55.4	63.9	65.6	65.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 6000	42.9	54.6	55.4	63.9	65.6	65.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 5000	44.2	56.2	57.1	65.6	67.4	67.4	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4500	44.2	56.2	57.1	65.6	67.4	67.4	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4000	45.4	57.7	58.5	67.1	68.9	68.9	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 3500	46.4	58.7	59.5	68.2	70.0	70.0	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3000	49.8	63.0	64.7	72.9	75.2	75.2	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2500	50.7	64.3	65.3	75.2	77.6	77.6	78.4	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 2000	51.9	67.3	68.2	79.4	82.5	82.5	83.3	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	52.3	67.4	68.4	79.7	82.8	82.8	83.6	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1500	53.3	69.0	70.0	81.8	84.9	84.9	85.9	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1200	54.1	71.2	72.3	84.6	87.8	88.0	89.1	89.8	89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1000	55.1	72.3	73.4	85.9	90.0	90.1	91.7	92.4	92.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 900	55.3	72.8	73.9	86.4	90.4	90.6	92.2	92.9	92.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800	55.3	73.4	74.6	87.2	91.4	91.6	93.2	93.8	93.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 700	55.4	73.6	74.7	87.5	91.7	91.9	93.7	94.3	94.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	56.2	74.6	75.7	88.7	93.2	93.3	95.5	96.3	96.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	56.4	74.7	75.9	88.8	93.5	93.7	96.8	97.6	97.6	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 400	56.4	74.7	75.9	88.8	93.5	93.7	96.8	97.6	97.9	99.4	99.4	99.4	99.4	99.5	99.5	99.7
≥ 300	56.4	74.7	75.9	88.8	93.5	93.7	96.9	97.7	98.1	99.7	99.7	99.7	99.7	99.8	99.8	100.0
≥ 200	56.4	74.7	75.9	88.8	93.5	93.7	96.9	97.7	98.1	99.7	99.7	99.7	99.7	99.8	99.8	100.0
≥ 100	56.4	74.7	75.9	88.8	93.5	93.7	96.9	97.7	98.1	99.7	99.7	99.7	99.7	99.8	99.8	100.0
≥ 0	56.4	74.7	75.9	88.8	93.5	93.7	96.9	97.7	98.1	99.7	99.7	99.7	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 617

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6190

BAUMHOLDER DL

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GI9	≥6 FO90	≥5 GF80	≥4 GF60	≥3 GF48	≥2.5 GF40	≥2 GF32	≥1.5 GF24	≥1 GF20	≥0.75 GF16	≥0.5 GF12	≥0.25 GF08	≥0.16 GF05	≥0.1 GF04	≥0.05 GF03	≥0.01 GE0
NO CEILING	32.6	39.6	39.6	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 20000	35.5	43.3	43.3	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 18000	35.2	43.9	43.9	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 16000	36.1	43.9	43.9	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 14000	36.3	44.1	44.1	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 12000	36.8	44.6	44.6	47.9	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 10000	39.8	48.6	48.6	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 9000	47.8	49.5	49.5	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 8000	45.2	54.9	55.3	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 7000	47.1	57.7	57.5	62.4	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 6000	47.6	57.5	57.8	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 5000	48.7	58.8	59.1	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 4500	49.7	58.8	59.1	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 4000	50.5	60.7	61.7	66.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3500	52.7	63.5	63.9	69.6	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 3000	60.7	73.2	73.9	79.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 2500	61.9	75.3	76.0	83.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2000	65.7	78.8	79.5	87.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	65.7	78.8	79.5	87.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	67.2	81.2	81.8	90.0	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200	69.6	83.4	84.2	92.4	93.9	93.9	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	69.9	84.9	85.7	94.6	96.3	96.3	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	70.1	85.0	85.8	94.7	96.5	96.5	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	70.2	85.0	86.6	95.5	97.3	97.3	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	70.4	86.0	86.8	95.7	97.8	97.8	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	70.7	86.3	87.1	96.0	98.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	70.7	86.3	87.1	96.0	98.2	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	70.7	86.3	87.1	96.0	98.2	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	70.7	86.3	87.1	96.0	98.2	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	70.7	86.3	87.1	96.0	98.2	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	70.7	86.3	87.1	96.0	98.2	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	70.7	86.3	87.1	96.0	98.2	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 428

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6197 BAUMHOLDER DL STATION NAME

73-62 YEARS

AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 HOUR

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9	≥6 EQ90	≥5 GE80	≥4 GE60	≥3 GE40	≥2 GE32	≥1 GE24	≥1 GE20	≥1 GE16	≥1 GE12	≥1 GE10	≥1 GE80	≥1 GE60	≥1 GE40	≥1 GE32	≥1 GE24
NO CEILING	33.5	39.7	39.7	41.5	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	37.8	45.7	45.7	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 18000	38.2	46.3	46.3	48.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 16000	38.2	46.3	46.3	48.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 14000	38.6	46.8	46.8	48.8	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 12000	40.0	48.4	48.4	50.5	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 10000	43.0	52.3	52.3	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 9000	44.4	53.9	53.9	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 8000	49.5	60.0	60.0	62.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 7000	52.7	63.8	63.8	66.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 6000	53.4	64.7	64.7	67.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	55.4	67.3	67.3	69.8	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4500	55.4	67.6	67.6	70.2	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4000	58.1	70.9	70.9	73.7	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3500	59.6	72.9	72.9	76.2	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 3000	60.9	83.9	84.1	88.1	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2500	69.3	84.5	84.6	90.1	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2000	70.2	86.1	86.3	92.1	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1800	71.4	86.3	86.5	92.3	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1600	71.7	87.6	87.9	94.0	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	72.2	88.8	89.2	95.2	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	73.3	89.9	90.3	97.1	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	73.3	89.9	90.3	97.1	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	73.3	89.9	90.5	97.3	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	73.3	90.3	90.9	97.6	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	73.3	90.3	90.9	97.6	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	73.3	90.3	90.9	97.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	73.3	90.3	90.9	97.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	73.3	90.3	90.9	97.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	73.3	90.3	90.9	97.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	73.3	90.3	90.9	97.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	73.3	90.3	90.9	97.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 547

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6197

BAUMHOLDER DL

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

7600-7870

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9	≥6 EG90	≥5 GE80	≥4 GE60	≥3 GE48	≥2.5 GE40	≥2 GE32	≥1.5 GE24	≥1 GE20	≥0.75 GE16	≥0.5 GE12	≥0.25 GE10	≥0.15 GE08	≥0.1 GE05	≥0.05 GE04	≥0.02 GE0
NO CEILING	17.1	23.0	23.9	27.5	28.9	29.2	31.1	32.1	32.1	35.1	35.4	35.7	36.4	37.4	38.4	40.3
≥ 20000	16.4	25.6	26.6	30.8	32.1	32.5	34.8	35.7	35.7	38.7	39.0	39.3	40.0	41.3	42.3	44.9
≥ 18000	16.4	25.6	26.6	30.8	32.1	32.5	34.8	35.7	35.7	38.7	39.0	39.3	40.0	41.3	42.3	44.9
≥ 16000	16.4	25.6	26.6	30.8	32.1	32.5	34.8	35.7	35.7	38.7	39.0	39.3	40.0	41.3	42.3	44.9
≥ 14000	16.4	25.6	26.6	30.8	32.1	32.5	34.8	35.7	35.7	38.7	39.0	39.3	40.0	41.3	42.3	44.9
≥ 12000	16.4	25.6	26.6	30.8	32.1	32.5	34.8	35.7	35.7	38.7	39.0	39.3	40.0	41.3	42.3	44.9
≥ 10000	17.0	26.9	27.9	32.8	34.1	34.4	37.4	38.4	38.4	41.6	42.0	42.3	43.0	44.3	45.2	47.9
≥ 9000	19.1	28.2	29.2	34.8	36.1	36.4	40.0	41.0	41.0	44.3	44.6	44.9	45.6	46.9	47.9	50.5
≥ 8000	19.7	30.5	31.5	37.4	39.3	39.7	44.3	45.6	45.6	48.9	49.2	49.5	50.2	52.1	53.4	56.4
≥ 7000	20.0	31.1	32.1	38.4	40.7	40.7	45.2	46.6	46.6	49.8	50.2	50.5	51.1	53.1	54.4	57.4
≥ 6000	20.0	31.1	32.1	38.4	40.7	40.7	45.2	46.6	46.6	49.8	50.2	50.5	51.1	53.1	54.4	57.4
≥ 5000	20.7	31.8	32.8	39.0	41.3	41.6	46.9	48.5	48.5	51.8	52.1	52.5	53.1	55.1	56.4	59.3
≥ 4500	21.1	32.5	33.4	39.7	42.0	42.3	47.5	49.2	49.2	52.5	52.8	53.1	53.8	55.7	57.0	60.0
≥ 4000	21.3	32.8	34.1	40.7	43.0	43.3	48.9	50.5	50.5	54.1	54.4	54.8	55.4	57.4	58.7	61.6
≥ 3500	22.3	34.4	35.7	43.0	45.6	45.9	51.8	54.1	54.1	57.7	58.0	58.4	59.0	61.0	62.3	65.2
≥ 3000	23.9	38.0	39.7	47.9	52.1	52.8	58.7	61.3	61.3	65.6	65.9	66.2	66.9	68.9	70.2	73.4
≥ 2500	24.7	39.0	40.7	50.2	54.4	55.1	61.6	64.3	64.3	68.5	68.9	69.2	69.8	71.8	73.1	76.4
≥ 2000	25.9	40.0	41.6	51.5	55.7	56.4	63.3	65.9	65.9	70.2	70.5	70.8	71.5	73.4	74.8	78.0
≥ 1800	26.6	40.7	42.3	52.1	56.7	57.4	64.3	66.9	66.9	71.1	71.5	71.8	72.5	74.4	75.7	79.0
≥ 1500	26.9	41.6	43.3	53.1	58.0	58.7	65.6	68.2	68.2	72.5	72.8	73.1	73.8	75.7	77.0	80.3
≥ 1200	27.2	42.3	43.9	54.4	59.7	60.3	67.2	70.2	70.2	74.4	74.8	75.1	75.7	77.7	79.0	82.3
≥ 1000	27.5	42.6	44.3	55.4	60.7	61.3	68.2	71.1	71.1	75.4	75.7	76.1	76.7	78.7	80.0	83.3
≥ 900	28.5	43.6	45.2	56.4	62.0	62.6	69.8	72.8	72.8	77.0	77.4	77.7	78.4	80.3	81.6	84.9
≥ 800	30.5	45.6	47.2	59.0	65.2	65.9	73.1	76.4	76.4	80.7	81.0	81.3	82.0	83.9	85.2	88.5
≥ 700	31.5	47.2	48.9	62.0	68.2	68.9	76.4	80.0	80.0	84.3	84.6	84.9	85.6	87.5	88.9	92.1
≥ 600	31.5	47.2	48.9	62.3	68.5	69.2	78.0	82.6	82.6	86.9	87.2	87.5	88.2	90.2	91.5	94.8
≥ 500	31.5	47.2	48.9	62.3	68.9	69.8	78.7	83.3	83.3	87.9	88.2	88.5	89.2	91.1	92.5	95.7
≥ 400	31.5	47.2	48.9	62.3	68.9	69.8	78.7	83.3	83.3	87.9	88.2	88.5	89.2	91.5	92.8	96.4
≥ 300	31.5	47.2	48.9	62.3	68.9	69.8	78.7	83.3	83.3	87.9	88.2	88.5	89.2	91.5	92.8	96.4
≥ 200	31.5	47.2	48.9	62.3	68.9	69.8	78.7	83.3	83.3	87.9	88.2	88.5	89.2	91.8	93.4	99.0
≥ 0	31.8	47.5	49.2	62.6	69.2	70.2	79.0	83.6	83.6	88.2	88.5	88.9	89.5	92.1	94.1	100.0

TOTAL NUMBER OF OBSERVATIONS 305

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6190

BAUMHOLDER DL

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	21.1	29.1	30.7	35.3	38.7	38.9	41.2	41.1	41.1	42.0	42.0	42.0	42.0	42.2	42.4	42.7
≥ 20000	23.1	31.0	33.3	39.6	43.3	43.6	45.3	46.2	46.2	47.1	47.1	47.1	47.1	47.3	47.6	47.8
≥ 18000	23.1	31.0	33.3	39.6	43.3	43.6	45.3	46.2	46.2	47.1	47.1	47.1	47.1	47.3	47.6	47.8
≥ 16000	23.1	31.0	33.3	39.6	43.3	43.6	45.3	46.2	46.2	47.1	47.1	47.1	47.1	47.3	47.6	47.8
≥ 14000	23.1	31.0	33.3	39.6	43.3	43.6	45.3	46.2	46.2	47.1	47.1	47.1	47.1	47.3	47.6	47.8
≥ 12000	23.1	31.0	33.3	39.6	43.3	43.6	45.3	46.2	46.2	47.1	47.1	47.1	47.1	47.3	47.6	47.8
≥ 10000	23.3	32.4	34.0	40.7	44.4	44.7	46.9	47.8	47.8	48.9	48.9	48.9	48.9	49.1	49.3	49.6
≥ 9000	25.3	34.7	36.4	43.6	47.3	47.6	49.8	50.7	50.7	51.8	51.8	51.8	51.8	52.0	52.2	52.4
≥ 8000	27.8	37.1	38.9	47.8	52.4	52.7	55.8	56.7	56.7	57.8	57.8	57.8	57.8	58.0	58.2	58.7
≥ 7000	28.9	38.4	40.4	49.3	54.0	54.2	57.3	58.2	58.2	59.3	59.3	59.3	59.3	59.6	59.8	60.2
≥ 6000	28.9	38.4	40.4	49.3	54.0	54.2	57.3	58.2	58.2	59.3	59.3	59.3	59.3	59.6	59.8	60.2
≥ 5000	29.8	39.3	41.3	50.7	55.6	55.8	58.9	59.8	59.8	60.9	60.9	60.9	60.9	61.1	61.3	61.8
≥ 4500	30.1	39.6	41.6	50.9	55.8	56.0	59.3	60.2	60.2	61.3	61.3	61.3	61.3	61.6	61.8	62.2
≥ 4000	30.2	39.8	41.8	51.0	56.0	56.2	59.5	60.4	60.4	61.5	61.5	61.5	61.5	61.8	62.0	62.4
≥ 3500	31.4	41.6	43.6	54.0	59.6	59.8	63.1	64.0	64.0	65.1	65.1	65.1	65.1	65.3	65.6	66.0
≥ 3000	34.2	45.3	47.3	58.4	65.1	65.6	70.0	71.1	71.1	72.2	72.2	72.2	72.2	72.4	72.7	73.1
≥ 2500	34.7	46.2	48.2	61.1	67.8	68.2	73.3	74.4	74.4	75.6	75.6	75.6	75.6	75.8	76.1	76.4
≥ 2000	35.6	47.3	49.3	63.6	70.2	70.7	76.2	77.3	77.3	78.4	78.4	78.4	78.4	78.7	78.9	79.3
≥ 1800	35.6	47.3	49.3	63.6	70.2	70.7	76.2	77.3	77.3	78.4	78.4	78.4	78.4	78.7	78.9	79.3
≥ 1600	35.6	47.3	49.3	63.6	70.2	70.7	76.2	77.3	77.3	78.4	78.4	78.4	78.4	78.7	78.9	79.3
≥ 1400	37.6	50.7	52.9	67.6	74.4	74.9	80.4	81.6	81.6	82.7	82.7	82.7	82.7	82.9	83.1	83.6
≥ 1200	38.2	52.4	54.7	69.6	76.9	77.3	83.1	84.4	84.7	85.8	85.8	85.8	85.8	86.0	86.2	86.7
≥ 1000	37.9	53.6	55.8	70.9	78.4	78.9	84.7	86.0	86.2	87.8	87.8	87.8	87.8	88.0	88.2	88.7
≥ 900	38.0	54.9	57.1	73.3	81.1	81.6	87.3	88.7	88.9	90.4	90.4	90.4	90.4	90.7	90.9	91.3
≥ 800	38.4	56.0	58.2	75.1	82.9	83.3	89.1	90.7	90.9	92.4	92.4	92.4	92.4	92.7	92.9	93.3
≥ 700	40.4	56.2	59.1	76.0	85.1	85.6	93.1	95.1	95.1	96.0	96.0	96.0	96.0	96.3	96.6	97.0
≥ 600	40.4	56.2	59.1	76.0	85.1	85.6	93.1	95.1	95.1	96.0	96.0	96.0	96.0	96.3	96.6	97.0
≥ 500	40.4	56.2	59.1	76.0	85.1	85.6	93.1	95.1	95.1	96.0	96.0	96.0	96.0	96.3	96.6	97.0
≥ 400	40.4	56.2	59.1	76.0	85.1	85.6	93.1	95.1	95.1	96.0	96.0	96.0	96.0	96.3	96.6	97.0
≥ 300	40.4	56.2	59.1	76.0	85.1	85.6	93.1	95.1	95.1	96.0	96.0	96.0	96.0	96.3	96.6	97.0
≥ 200	40.4	56.2	59.1	76.0	85.1	85.6	93.1	95.1	95.1	96.0	96.0	96.0	96.0	96.3	96.6	97.0
≥ 100	40.4	56.2	59.1	76.0	85.1	85.6	93.1	95.1	95.1	96.0	96.0	96.0	96.0	96.3	96.6	97.0
≥ 50	40.4	56.2	59.1	76.0	85.1	85.6	93.1	95.1	95.1	96.0	96.0	96.0	96.0	96.3	96.6	97.0
≥ 20	40.4	56.2	59.1	76.0	85.1	85.6	93.1	95.1	95.1	96.0	96.0	96.0	96.0	96.3	96.6	97.0
≥ 10	40.4	56.2	59.1	76.0	85.1	85.6	93.1	95.1	95.1	96.0	96.0	96.0	96.0	96.3	96.6	97.0

TOTAL NUMBER OF OBSERVATIONS 850

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 6197 BAUMHOLDER DL

73-82

SEE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-0-1400

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 CT9	≥6 F090	≥5 GE80	≥4 GE60	≥3 GE48	≥2.5 GE40	≥2 GE32	≥1.5 GE24	≥1 GE20	≥1 GE16	≥1 GE12	≥1 GE10	≥1 GE08	≥1 GE05	≥1 GE04	≥1 GE0
NO CEILING	26.2	33.0	33.0	40.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 20000	26.1	36.3	36.3	45.1	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 18000	29.6	36.8	36.8	45.5	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 16000	27.6	36.8	36.8	45.5	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 14000	29.8	37.0	37.0	45.7	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 12000	30.0	37.2	37.2	46.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 10000	31.4	39.2	39.2	48.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 9000	31.4	39.5	39.5	48.9	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 8000	33.4	43.3	43.3	54.9	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 7000	35.2	45.1	45.1	56.7	57.6	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 6000	36.1	46.0	46.0	57.6	58.5	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 5000	37.7	48.0	48.0	60.1	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 4500	38.3	48.7	48.7	60.8	61.7	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4000	38.8	49.6	49.6	62.1	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 3500	39.7	51.1	51.1	64.6	65.7	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 3000	44.6	58.5	58.5	73.8	75.1	75.1	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 2500	47.1	61.4	61.4	77.6	79.1	79.4	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2000	48.7	63.7	63.7	80.5	82.1	82.3	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1800	48.7	63.9	63.9	81.2	82.7	83.0	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1500	51.9	67.0	67.0	84.8	86.3	86.5	87.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1200	52.9	70.2	70.2	87.9	89.5	89.7	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000	54.3	71.7	72.0	89.9	91.5	91.7	92.6	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 900	54.3	72.0	72.2	91.0	92.6	92.8	93.9	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	54.9	72.9	73.1	92.4	93.9	94.2	95.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	55.6	74.2	74.4	93.7	95.3	95.5	96.6	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	55.6	74.2	74.4	93.9	95.7	96.0	97.3	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	55.6	74.2	74.4	93.9	96.0	96.2	97.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	55.6	74.2	74.4	93.9	96.0	96.2	97.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	55.6	74.2	74.4	93.9	96.0	96.2	97.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	55.6	74.2	74.4	93.9	96.0	96.2	97.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	55.6	74.2	74.4	93.9	96.0	96.2	97.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	55.6	74.2	74.4	93.9	96.0	96.2	97.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 496

GLOBAL CLIMATOLOGY BRANCH
METAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6197 BAUMHOLDER DL STATION NAME

73-82 YEAR

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15 6-1700

CEILING FEET	VISIBILITY STATUTE MILES										OR (HUNDREDS OF METERS)									
	210	26	25	24	23	22	21	20	19	18	21	20	19	18	17	16	15	14	13	12
21000	26.3	34.6	34.6	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
20000	31.1	42.6	42.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
18000	31.1	42.6	42.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
16000	32.2	42.2	42.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
14000	32.2	42.2	42.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
12000	32.2	42.2	42.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
10000	34.1	45.3	45.3	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
9000	34.1	45.3	45.3	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
8000	36.5	48.8	48.8	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
7000	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
6000	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
5000	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
4000	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
3000	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
2000	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
1000	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
500	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
200	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
100	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
50	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
20	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
10	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
5	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
2	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
1	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8

TOTAL NUMBER OF OBSERVATIONS 373

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 619- BAUMHOLDER DL STATION NAME

73-82 YEARS

0CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-0000

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	6.5	10.6	10.6	11.9	11.9	11.9	12.4	12.7	12.7	13.2	13.7	14.5	14.5	15.5	15.8	19.2
≥ 20000	7.3	11.7	12.2	13.5	13.5	13.7	14.5	14.8	14.8	15.3	15.8	16.6	16.6	17.6	17.9	21.8
≥ 18000	7.3	11.7	12.2	13.5	13.5	13.7	14.5	14.8	14.8	15.3	15.8	16.6	16.6	17.6	17.9	21.8
≥ 16000	7.3	11.9	12.4	13.7	13.7	14.0	14.8	15.0	15.0	15.5	16.1	16.8	16.8	17.9	18.1	22.0
≥ 14000	7.5	12.2	12.7	14.0	14.0	14.2	15.7	15.3	15.3	15.8	16.3	17.1	17.1	18.1	18.4	22.3
≥ 12000	7.8	12.4	13.7	14.2	14.2	14.5	15.3	15.5	15.5	16.1	16.6	17.4	17.4	18.4	18.7	22.5
≥ 10000	8.8	14.0	14.5	16.1	16.3	16.6	17.4	17.9	17.9	18.4	18.9	19.7	19.7	20.7	21.0	24.9
≥ 9000	8.8	14.0	14.5	16.6	16.8	17.1	17.9	18.4	18.4	18.9	19.4	20.2	20.2	21.2	21.5	25.4
≥ 8000	10.4	16.1	16.6	18.7	18.9	19.2	19.9	20.5	20.5	21.8	22.5	23.3	23.8	25.4	25.6	29.5
≥ 7000	12.9	17.4	17.9	20.2	20.5	20.7	22.3	22.8	22.8	24.4	25.1	25.9	26.4	28.0	28.2	32.1
≥ 6000	10.9	17.4	17.9	20.2	20.7	21.0	22.5	23.1	23.1	24.6	25.4	26.2	26.7	28.2	28.5	32.4
≥ 5000	11.7	17.6	18.1	21.0	21.8	22.0	23.8	24.4	24.4	25.9	26.7	27.5	28.0	29.5	29.8	33.7
≥ 4500	11.7	18.4	18.9	22.3	23.1	23.3	25.1	25.6	25.6	27.2	28.0	28.8	29.3	30.8	31.1	35.0
≥ 4000	11.7	18.7	19.2	22.5	23.3	23.6	25.4	25.9	25.9	27.5	28.2	29.0	29.5	31.1	31.3	35.2
≥ 3500	12.2	19.2	19.7	23.1	23.8	24.1	26.2	26.7	26.7	28.2	29.0	29.8	30.3	31.9	32.1	36.0
≥ 3000	12.2	21.2	22.7	25.4	27.2	27.7	30.1	30.6	30.6	32.4	33.2	33.9	34.7	36.3	36.5	40.4
≥ 2500	14.9	22.8	23.6	26.9	28.8	29.3	31.6	32.1	32.1	33.9	34.7	35.5	36.3	37.8	38.1	42.0
≥ 2000	15.5	23.8	24.6	29.8	31.6	32.1	34.7	35.2	35.2	37.0	37.8	38.6	39.4	40.9	41.2	45.1
≥ 1800	15.5	24.1	24.9	31.1	31.9	32.4	35.0	35.5	35.5	37.3	38.1	38.9	39.6	41.2	41.5	45.3
≥ 1500	15.8	25.4	26.2	33.2	35.5	36.0	39.1	39.6	39.6	41.7	42.5	43.3	44.0	45.6	45.9	49.7
≥ 1200	17.6	28.2	29.7	37.0	40.7	41.2	44.6	45.3	45.3	47.4	48.2	49.0	49.7	51.3	51.6	55.4
≥ 1000	17.7	29.8	30.6	39.1	42.7	43.3	46.9	47.9	47.9	51.3	52.1	52.8	53.6	55.2	55.4	59.3
≥ 900	18.9	31.1	31.9	41.7	45.3	45.9	49.7	50.8	50.8	54.1	54.9	55.7	56.5	58.5	58.8	62.7
≥ 800	19.4	31.9	33.2	43.3	47.4	47.9	52.3	53.4	53.4	57.5	58.3	59.1	59.8	61.9	62.2	66.1
≥ 700	19.4	31.9	33.9	45.6	50.3	50.8	55.7	56.7	57.3	62.7	63.5	64.2	65.0	67.1	67.4	71.5
≥ 600	20.2	33.2	35.2	48.4	53.1	53.6	59.8	61.9	63.7	69.4	70.5	71.2	72.0	74.6	74.9	79.1
≥ 500	20.2	33.2	35.2	49.0	54.4	54.9	61.4	64.0	65.8	71.8	73.1	74.1	75.1	78.0	78.2	82.6
≥ 400	20.2	33.2	35.2	49.0	54.4	54.9	62.2	65.8	67.6	74.4	75.9	77.2	78.8	81.9	82.1	86.5
≥ 300	20.2	33.2	35.2	49.2	54.7	55.2	62.4	66.1	67.9	75.6	77.5	79.3	81.6	85.0	85.2	90.2
≥ 200	20.2	33.2	35.2	49.2	54.7	55.2	62.4	66.1	67.9	75.6	77.5	79.3	81.6	85.2	85.8	92.2
≥ 100	20.2	33.2	35.2	49.2	54.7	55.2	62.4	66.1	67.9	76.2	78.0	79.8	82.1	86.3	87.0	98.4
≥ 0	20.2	33.2	35.2	49.2	54.7	55.2	62.4	66.1	67.9	76.2	78.0	79.8	82.1	86.5	87.6	100.0

TOTAL NUMBER OF OBSERVATIONS 186

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 619

BAUMHOLDER DL

73-82

067

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1920-1929

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9	≥6 EQ9D	≥5 GE8	≥4 GE6C	≥3 GE4B	≥2 GE4C	≥2 GE3D	≥1 GE2D	≥1 GE2C	≥1 GE1B	≥1 GE1C	≥1 GE0B	≥1 GE0C	≥1 GE0D	≥1 GE0E	≥1 GE0F
NO. CEILING	10.3	13.1	13.4	15.8	16.5	16.5	17.2	17.9	17.9	18.6	18.1	19.1	19.1	20.0	20.1	22.4
≥ 20000	1.3	1.5	1.5	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.3	2.5
18000	1.1	1.5	1.5	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.3	2.5
16000	1.1	1.5	1.5	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.3	2.5
14000	1.1	1.5	1.5	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.3	2.5
12000	1.1	1.5	1.5	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.3	2.5
10000	1.2	1.7	1.7	2.0	2.1	2.1	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.7
9000	1.3	1.7	1.7	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.5	2.5	2.5	2.6	2.7	2.9
8000	1.4	1.8	1.7	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.7	2.7	2.8	2.9	3.1
7000	1.5	2.1	2.1	2.5	2.6	2.6	2.7	2.8	2.8	2.9	2.9	2.9	2.9	3.1	3.1	3.3
6000	1.5	2.1	2.1	2.5	2.6	2.6	2.7	2.8	2.8	2.9	2.9	2.9	2.9	3.1	3.1	3.3
5000	1.5	2.1	2.1	2.5	2.6	2.6	2.7	2.8	2.8	2.9	2.9	2.9	2.9	3.1	3.1	3.3
4500	1.5	2.1	2.1	2.5	2.6	2.6	2.7	2.8	2.8	2.9	2.9	2.9	2.9	3.1	3.1	3.3
4000	1.5	2.1	2.1	2.5	2.6	2.6	2.7	2.8	2.8	2.9	2.9	2.9	2.9	3.1	3.1	3.3
3500	1.6	2.3	2.3	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2	3.2	3.2	3.3	3.4	3.7
3000	1.7	2.4	2.3	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.4	3.4	3.4	3.5	3.6	3.9
2500	1.9	2.8	2.9	3.4	3.5	3.5	3.7	3.8	3.8	4.0	4.1	4.1	4.1	4.2	4.3	4.6
2000	2.0	3.0	3.1	3.7	3.9	3.9	4.1	4.2	4.2	4.4	4.4	4.4	4.4	4.5	4.7	4.9
1800	2.1	3.1	3.2	3.9	4.1	4.1	4.3	4.4	4.4	4.6	4.6	4.6	4.6	4.7	4.9	5.1
1500	2.2	3.4	3.4	4.3	4.6	4.6	4.8	5.0	5.0	5.2	5.3	5.3	5.3	5.4	5.5	5.7
1200	2.4	3.6	3.7	4.6	5.0	5.0	5.3	5.4	5.4	5.7	5.7	5.8	5.8	5.9	6.0	6.2
1000	2.5	3.8	3.9	4.9	5.4	5.4	5.7	5.9	5.9	6.2	6.2	6.3	6.3	6.4	6.5	6.7
900	2.6	3.9	4.0	5.1	5.6	5.6	5.9	6.1	6.2	6.4	6.5	6.5	6.5	6.6	6.7	6.8
800	2.6	4.1	4.2	5.3	5.9	5.9	6.3	6.6	6.6	6.9	7.0	7.0	7.0	7.1	7.2	7.3
700	2.6	4.1	4.2	5.4	6.0	6.0	6.4	6.7	6.7	7.0	7.1	7.1	7.1	7.2	7.3	7.4
600	2.6	4.1	4.2	5.6	6.3	6.3	6.8	7.2	7.2	7.5	7.6	7.6	7.6	7.7	7.8	7.9
500	2.6	4.1	4.3	5.7	6.4	6.4	7.1	7.4	7.4	7.7	7.8	7.8	7.8	7.9	8.0	8.1
400	2.6	4.1	4.3	5.7	6.4	6.4	7.1	7.4	7.4	7.7	7.8	7.8	7.8	7.9	8.0	8.1
300	2.6	4.1	4.3	5.7	6.4	6.4	7.1	7.4	7.4	7.7	7.8	7.8	7.8	7.9	8.0	8.1
200	2.6	4.1	4.3	5.7	6.4	6.4	7.1	7.4	7.4	7.7	7.8	7.8	7.8	7.9	8.0	8.1
100	2.6	4.1	4.3	5.7	6.4	6.4	7.1	7.4	7.4	7.7	7.8	7.8	7.8	7.9	8.0	8.1
0	2.6	4.1	4.3	5.7	6.4	6.4	7.1	7.4	7.4	7.7	7.8	7.8	7.8	7.9	8.0	8.1

TOTAL NUMBER OF OBSERVATIONS 581

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 6192 BAUMHOLDER DL STATION NAME

73-82 YEARS

0CT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 HOUR

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	15.4	17.9	18.0	20.1	21.3	21.3	22.2	22.2	22.2	22.4	22.4	22.5	22.5	22.5	22.5	22.7
≥ 20000	17.9	21.3	21.5	23.6	24.8	24.8	25.6	25.6	25.6	25.8	25.8	26.0	26.0	26.0	26.0	26.2
≥ 18000	17.9	21.7	21.8	23.9	25.1	25.1	26.0	26.0	26.0	26.2	26.2	26.3	26.3	26.3	26.3	26.5
≥ 16000	17.9	21.7	21.8	23.9	25.1	25.1	26.0	26.0	26.0	26.2	26.2	26.3	26.3	26.3	26.3	26.5
≥ 14000	17.9	21.7	21.8	23.9	25.1	25.1	26.0	26.0	26.0	26.2	26.2	26.3	26.3	26.3	26.3	26.5
≥ 12000	18.4	22.2	22.4	24.4	25.6	25.6	26.5	26.5	26.5	26.7	26.7	26.9	26.9	26.9	26.9	27.0
≥ 10000	19.2	23.2	23.4	25.5	26.7	26.7	27.6	27.6	27.6	27.7	27.7	27.9	27.9	27.9	27.9	28.1
≥ 9000	20.1	24.1	24.4	26.5	27.7	27.7	28.6	28.6	28.6	28.8	28.8	28.9	28.9	28.9	28.9	29.1
≥ 8000	22.9	27.6	28.1	31.3	31.5	31.5	32.8	32.8	32.8	32.9	32.9	33.1	33.1	33.1	33.1	33.3
≥ 7000	24.6	29.6	31.2	32.8	34.0	34.0	35.2	35.2	35.2	35.4	35.4	35.5	35.5	35.5	35.5	35.7
≥ 6000	24.6	29.6	30.2	33.1	34.7	34.7	35.9	35.9	35.9	36.0	36.0	36.2	36.2	36.2	36.2	36.4
≥ 5000	25.0	30.0	30.5	33.6	35.2	35.2	36.4	36.4	36.4	36.6	36.6	36.7	36.7	36.7	36.7	36.9
≥ 4500	25.0	30.2	30.7	34.0	35.5	35.5	36.7	36.7	36.7	36.9	36.9	37.1	37.1	37.1	37.1	37.3
≥ 4000	25.5	31.7	32.2	35.5	37.1	37.1	38.3	38.3	38.3	38.5	38.5	38.6	38.6	38.6	38.6	38.8
≥ 3500	26.2	33.1	33.6	36.9	38.5	38.5	39.7	39.7	39.7	39.9	39.9	40.0	40.0	40.0	40.0	40.2
≥ 3000	26.4	30.7	41.4	45.1	46.6	46.6	47.8	47.8	47.8	48.0	48.0	48.2	48.2	48.2	48.2	48.4
≥ 2500	36.0	46.4	47.1	51.8	53.6	53.6	54.9	55.3	55.3	55.5	55.5	55.6	55.6	55.6	55.6	55.8
≥ 2000	37.8	49.4	50.1	56.0	58.4	58.4	60.1	60.5	60.5	60.7	60.7	60.8	60.8	60.8	60.8	61.0
≥ 1800	39.3	51.3	52.1	58.6	61.7	61.9	63.4	64.0	64.0	64.1	64.1	64.3	64.3	64.3	64.3	64.5
≥ 1500	41.3	54.6	55.3	62.7	67.1	67.4	69.2	69.5	69.5	69.8	69.8	70.0	70.0	70.0	70.0	70.2
≥ 1200	42.3	55.8	56.8	64.6	69.3	69.7	71.6	71.9	71.9	72.3	72.3	72.4	72.4	72.4	72.4	72.6
≥ 1000	44.5	59.1	60.1	69.3	74.0	74.4	77.1	77.6	77.6	78.5	78.5	78.7	78.7	78.7	78.7	78.9
≥ 900	44.7	59.8	60.8	70.4	75.2	75.6	78.3	78.9	78.9	79.7	79.7	79.9	79.9	79.9	79.9	80.1
≥ 800	44.7	60.8	62.2	72.6	77.6	78.0	80.8	81.3	81.3	82.3	82.3	82.5	82.5	82.5	82.5	82.7
≥ 700	44.9	61.0	62.6	74.7	80.6	80.9	83.7	84.2	84.2	85.3	85.3	85.4	85.4	85.4	85.4	85.6
≥ 600	45.2	61.5	63.1	75.9	82.7	83.2	86.8	88.0	88.0	89.6	89.6	89.9	89.9	89.9	89.9	90.5
≥ 500	47.2	61.5	63.1	76.3	84.2	84.7	88.9	90.3	90.3	92.9	93.1	93.2	93.4	93.6	93.6	93.8
≥ 400	47.2	61.5	63.1	76.3	84.2	84.7	89.4	91.2	91.2	94.8	95.0	95.5	95.7	95.8	95.8	96.0
≥ 300	47.2	61.5	63.1	76.4	84.4	84.9	89.6	91.3	91.7	95.7	95.8	96.4	96.5	97.2	97.2	97.4
≥ 200	47.2	61.5	63.1	76.4	84.4	84.9	89.6	91.3	91.9	96.2	96.5	97.1	97.2	98.4	98.4	99.0
≥ 100	47.2	61.5	63.1	76.4	84.4	84.9	89.6	91.3	91.9	96.4	96.9	97.4	97.6	98.8	99.3	100.0
≥ 0	47.2	61.5	63.1	76.4	84.4	84.9	89.6	91.3	91.9	96.4	96.9	97.4	97.6	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 572

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6197

BAUMHOLDER DL

73-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	20.7	25.0	25.0	27.6	28.8	28.8	29.4	29.4	29.4	29.6	29.6	29.6	29.6	29.6	29.6	29.6
≥ 20000	22.8	29.0	29.0	32.4	33.6	33.6	34.2	34.2	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 18000	22.8	29.0	29.0	32.4	33.6	33.6	34.2	34.2	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 16000	23.2	29.4	29.4	32.8	34.0	34.0	34.5	34.5	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 14000	23.4	29.6	29.6	33.0	34.2	34.2	34.7	34.7	34.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 12000	24.0	30.5	30.5	34.0	35.1	35.1	35.7	35.7	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 10000	26.1	33.0	33.0	36.5	37.6	37.6	38.2	38.2	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 9000	26.4	34.2	34.2	37.6	38.8	38.8	39.3	39.3	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥ 8000	31.7	39.5	39.5	43.0	44.1	44.1	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 7000	33.1	41.1	41.1	44.5	45.7	45.7	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 6000	33.0	41.1	41.1	45.1	46.3	46.3	46.8	46.8	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 5000	33.4	41.8	41.8	45.9	47.0	47.0	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 4500	34.1	42.2	42.2	46.4	47.6	47.6	48.2	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 4000	35.5	44.1	44.1	48.6	49.7	49.7	50.3	50.3	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 3500	36.3	45.1	45.1	49.5	50.7	50.7	51.2	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 3000	44.3	54.7	54.7	59.3	60.5	60.5	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 2500	43.4	60.1	60.1	65.5	67.2	67.2	67.9	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 2000	47.1	62.4	62.4	68.9	70.6	70.6	71.6	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 1800	50.1	63.7	63.7	69.7	71.6	71.6	72.6	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 1600	51.1	64.7	64.7	72.4	74.3	74.3	75.2	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 1400	52.6	66.6	66.6	75.2	77.7	77.7	78.7	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 1200	53.2	68.5	68.5	77.5	80.2	80.2	82.1	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1000	53.2	69.1	69.1	78.7	81.4	81.4	83.3	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 900	53.4	69.3	69.3	80.4	83.1	83.1	85.0	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 800	53.6	69.7	69.7	82.1	84.8	84.8	86.9	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 700	54.1	71.0	71.0	83.7	86.9	86.9	89.8	90.4	90.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7
≥ 600	54.3	71.2	71.2	84.3	88.1	88.1	91.2	92.1	92.3	94.4	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500	54.1	71.2	71.2	84.3	88.1	88.1	91.2	92.1	92.3	94.6	95.0	95.0	95.0	95.0	95.0	95.0
≥ 400	54.3	71.2	71.2	84.8	88.7	88.7	91.7	92.7	92.9	95.4	95.8	95.8	95.8	95.8	95.8	95.8
≥ 300	54.3	71.2	71.2	84.8	88.7	88.7	91.7	92.7	92.9	95.8	96.2	96.4	96.4	96.4	96.4	96.4
≥ 200	54.3	71.2	71.2	84.8	88.7	88.7	91.7	92.9	93.1	96.0	96.4	96.5	96.5	96.5	96.5	96.5
≥ 100	54.3	71.2	71.2	84.8	88.7	88.7	91.7	92.9	93.1	96.0	96.4	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 521

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6190
STATION

BAUMHOLDER DL
STATION NAME

73-82
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-0800
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9	≥6 EQ90	≥5 GF80	≥4 GF60	≥3 GF48	≥2.5 GF40	≥2 GF32	≥1.5 GF24	≥1 GF20	≥0.75 GF16	≥0.5 GF12	≥0.25 GF10	≥0.15 GF08	≥0.1 GF05	≥0.05 GF04	≥0.02 GF0
NO CEILING	7.7	10.3	10.6	12.0	12.0	12.0	12.7	12.3	12.3	13.1	13.4	13.4	13.6	13.6	13.9	16.4
≥ 20000	7.8	11.1	11.4	12.8	13.4	13.4	13.4	13.6	13.6	14.5	14.8	14.8	15.3	15.3	15.6	18.1
≥ 18000	8.1	12.0	12.3	13.6	14.2	14.2	14.2	14.5	14.5	15.3	15.6	15.6	16.2	16.2	16.4	18.9
≥ 16000	8.1	12.0	12.3	13.6	14.2	14.2	14.2	14.5	14.5	15.3	15.6	15.6	16.2	16.2	16.4	18.9
≥ 14000	8.1	12.0	12.3	13.6	14.2	14.2	14.2	14.5	14.5	15.3	15.6	15.6	16.2	16.2	16.4	18.9
≥ 12000	8.6	12.5	12.8	14.2	14.8	14.8	14.8	15.0	15.0	15.9	16.2	16.2	16.7	16.7	17.0	19.5
≥ 10000	9.2	13.6	13.9	15.3	15.9	15.9	15.9	16.4	16.4	17.3	17.5	17.5	18.1	18.1	18.4	21.2
≥ 9000	10.3	15.3	15.6	17.0	17.5	17.5	17.5	18.1	18.1	19.2	19.5	19.5	20.1	20.1	20.3	23.1
≥ 8000	12.5	18.7	18.9	20.3	20.9	20.9	20.9	21.4	21.4	22.6	23.1	23.1	23.7	23.7	24.0	26.7
≥ 7000	12.5	18.7	18.9	20.3	20.9	20.9	21.2	21.7	21.7	22.8	23.4	23.4	24.0	24.0	24.2	27.0
≥ 6000	12.5	18.7	18.9	20.3	20.9	20.9	21.2	21.7	21.7	22.8	23.4	23.4	24.0	24.0	24.2	27.0
≥ 5000	12.5	18.7	18.9	20.3	20.9	20.9	21.2	21.7	21.7	22.8	23.4	23.4	24.0	24.0	24.2	27.0
≥ 4500	12.5	18.7	18.9	20.3	20.9	20.9	21.2	21.7	21.7	22.8	23.4	23.4	24.0	24.0	24.2	27.0
≥ 4000	14.2	21.2	21.4	22.8	23.4	23.4	23.7	24.2	24.2	25.3	25.9	25.9	26.5	26.5	26.7	29.5
≥ 3500	14.5	22.3	22.6	24.0	24.5	24.5	24.8	25.3	25.3	26.5	27.0	27.0	27.6	27.6	27.9	30.6
≥ 3000	18.1	27.3	27.6	29.5	30.6	30.6	30.9	32.0	32.0	33.4	34.3	34.5	35.1	35.7	35.9	38.7
≥ 2500	19.5	28.7	29.0	31.2	32.3	32.3	32.6	34.0	34.0	35.4	36.2	36.5	37.0	37.6	37.9	40.7
≥ 2000	21.2	31.8	32.0	34.8	35.9	35.9	36.8	38.2	38.2	39.6	40.4	40.7	41.2	41.8	42.1	44.8
≥ 1800	22.7	33.1	33.7	37.3	38.4	38.4	39.3	40.7	40.7	42.1	42.9	43.2	43.7	44.3	44.6	47.4
≥ 1500	25.3	37.0	38.2	42.9	44.6	44.6	46.2	47.6	47.6	49.6	51.0	51.3	52.1	52.6	52.9	55.7
≥ 1200	27.0	39.3	40.4	45.4	47.1	47.1	50.1	51.8	51.8	54.0	55.4	55.7	57.1	57.7	57.9	60.7
≥ 1000	28.4	41.2	42.6	48.7	51.8	51.8	57.4	59.1	59.1	61.3	62.7	63.0	64.6	65.2	65.5	68.2
≥ 900	28.7	41.5	42.9	49.9	52.9	52.9	58.8	60.7	60.7	63.0	64.6	64.9	66.6	67.1	67.4	70.2
≥ 800	29.5	43.5	45.1	52.1	55.4	55.4	61.6	63.8	63.8	66.6	68.5	68.8	70.5	71.0	71.3	74.1
≥ 700	30.6	47.4	49.3	56.8	60.4	60.4	67.4	69.9	69.9	72.7	74.7	75.2	76.9	77.4	77.7	80.5
≥ 600	30.6	47.4	49.3	57.1	60.7	60.7	68.5	71.3	71.6	74.7	76.6	77.2	78.8	79.4	79.7	82.5
≥ 500	30.9	47.6	49.6	57.4	61.0	61.0	69.4	73.0	73.3	77.4	79.4	79.9	81.6	83.0	83.3	86.1
≥ 400	31.2	48.5	50.4	59.1	62.7	62.7	71.3	75.2	75.8	80.5	82.5	83.3	85.0	86.6	86.9	89.7
≥ 300	31.2	48.5	50.4	59.1	63.0	63.0	71.9	75.8	76.3	81.1	83.0	83.8	85.5	87.5	88.0	90.8
≥ 200	31.2	48.5	50.4	59.1	63.0	63.0	71.9	75.8	76.3	81.1	83.0	83.8	85.5	88.0	89.1	93.6
≥ 100	31.2	48.5	50.4	59.1	63.0	63.0	71.9	75.8	76.3	81.1	83.0	83.8	85.5	88.3	90.5	98.6
≥ 0	31.2	48.5	50.4	59.1	63.0	63.0	71.9	75.8	76.3	81.1	83.0	83.8	85.5	88.3	90.5	100.0

TOTAL NUMBER OF OBSERVATIONS 359

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 6190 BAUMHOLDER DL STATION NAME

73-82 YEAR

NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0920-1100 TIME

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	10.4	12.2	12.2	13.5	13.6	13.6	14.5	14.9	15.1	15.5	15.5	15.6	15.8	15.8	16.2	16.5
≥ 20000	11.4	14.2	14.2	16.2	16.9	16.9	17.8	18.4	18.5	18.9	18.9	19.1	19.3	19.3	19.6	20.0
IV 18000	12.5	15.1	15.3	17.3	18.0	18.0	18.9	19.5	19.6	20.0	20.0	20.2	20.4	20.4	20.7	21.1
IV 16000	12.5	15.1	15.3	17.3	18.0	18.0	18.9	19.5	19.6	20.0	20.0	20.2	20.4	20.4	20.7	21.1
IV 14000	12.5	15.1	15.3	17.3	18.0	18.0	18.9	19.5	19.6	20.0	20.0	20.2	20.4	20.4	20.7	21.1
IV 12000	13.3	16.0	16.2	18.2	19.1	19.1	20.0	20.5	20.7	21.1	21.1	21.3	21.5	21.5	21.8	22.2
IV 10000	13.6	16.5	16.7	19.3	20.2	20.2	21.1	21.6	21.8	22.2	22.2	22.4	22.5	22.5	22.9	23.6
IV 9000	15.1	18.9	19.1	21.6	22.5	22.5	23.5	24.0	24.2	24.5	24.5	24.7	24.9	24.9	25.3	26.0
IV 8000	16.7	20.9	21.1	23.8	24.7	24.7	25.6	26.2	26.4	26.7	26.7	26.9	27.1	27.1	27.5	28.2
IV 7000	17.5	21.6	22.1	24.9	26.2	26.2	27.1	27.6	27.8	28.2	28.2	28.4	28.5	28.5	28.9	29.6
IV 6000	17.5	21.6	22.1	24.9	26.2	26.2	27.1	27.6	27.8	28.2	28.2	28.4	28.5	28.5	28.9	29.6
IV 5000	17.5	21.6	22.1	24.9	26.2	26.2	27.1	27.6	27.8	28.2	28.2	28.4	28.5	28.5	28.9	29.6
IV 4500	17.5	21.6	22.1	24.9	26.2	26.2	27.1	27.6	27.8	28.2	28.2	28.4	28.5	28.5	28.9	29.6
IV 4000	19.1	23.5	23.8	26.7	28.0	28.0	28.9	29.5	29.6	30.4	30.4	30.5	30.9	30.9	31.3	32.0
IV 3500	19.8	24.9	25.3	28.5	29.8	29.8	30.7	31.6	31.8	32.7	32.7	32.9	33.3	33.3	33.6	34.4
IV 3000	24.4	30.5	30.9	34.4	36.0	36.0	36.9	38.0	38.2	39.5	39.5	39.6	40.0	40.2	40.5	41.5
IV 2500	26.9	33.3	33.6	37.3	38.9	38.9	39.8	40.9	41.1	42.4	42.4	42.5	42.9	43.1	43.5	44.4
IV 2000	28.7	36.0	36.4	40.7	42.4	42.4	43.6	44.7	44.9	46.4	46.4	46.5	46.9	47.1	47.5	48.4
IV 1800	25.9	36.2	36.7	42.2	43.8	43.8	45.3	46.4	46.5	48.0	48.0	48.2	48.5	48.7	49.1	50.0
IV 1500	31.3	39.6	40.4	46.5	48.7	48.7	50.5	51.6	51.8	53.5	53.5	53.6	53.8	54.2	54.7	55.6
IV 1200	33.5	41.8	42.7	49.8	52.4	52.4	55.5	56.5	56.7	59.1	59.3	59.6	60.0	60.2	60.5	61.5
IV 1000	35.3	43.8	44.7	52.2	55.8	55.8	59.5	61.1	61.3	64.0	64.2	64.5	64.9	65.1	65.5	66.4
IV 900	35.3	44.0	44.9	52.4	56.4	56.4	60.0	61.8	62.2	64.9	65.1	65.5	65.8	66.1	66.4	67.3
IV 800	36.2	45.6	47.1	54.5	58.5	58.5	62.9	64.9	65.8	69.1	69.3	69.6	70.0	70.2	70.5	71.5
IV 700	36.9	48.4	50.0	58.2	62.2	62.2	66.7	68.9	69.8	73.8	74.0	74.5	75.5	75.6	76.0	76.9
IV 600	37.3	49.3	50.9	59.5	63.6	63.6	68.9	71.3	72.2	76.4	76.7	77.3	78.2	78.4	78.7	79.6
IV 500	37.3	49.3	50.9	60.5	64.7	64.7	70.7	73.8	74.9	81.1	81.5	82.0	83.5	84.5	84.9	85.8
IV 400	37.5	49.6	51.3	60.9	65.1	65.1	71.6	74.7	75.8	83.3	84.2	84.9	86.4	87.6	88.0	88.9
IV 300	37.5	49.6	51.3	60.9	65.1	65.1	71.6	75.5	76.5	84.5	85.5	86.4	87.8	89.5	89.8	91.1
IV 200	37.5	49.6	51.3	60.9	65.1	65.1	71.6	75.5	76.5	84.5	85.5	86.4	87.8	90.4	91.8	94.8
IV 100	37.5	49.6	51.3	60.9	65.1	65.1	71.6	75.5	76.5	84.5	85.5	86.4	87.8	90.4	92.0	99.1
IV 0	37.5	49.6	51.3	60.9	65.1	65.1	71.6	75.5	76.5	84.5	85.5	86.4	87.8	90.4	92.0	99.1

TOTAL NUMBER OF OBSERVATIONS 550

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6197

BAUMHOLDER DL

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-2-1970

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)																			
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
NO CEILING	11.9	13.9	13.9	16.1	16.7	16.7	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
≥ 20000	14.9	17.6	17.6	21.1	21.7	21.7	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
W 18000	15.6	18.5	18.5	22.0	22.6	22.6	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
W 16000	15.6	18.5	18.5	22.2	22.8	22.8	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
W 14000	15.6	18.5	18.5	22.2	22.8	22.8	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
W 12000	16.3	19.3	19.3	23.3	24.2	24.2	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
W 10000	18.0	20.9	20.9	25.3	26.6	26.6	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
W 9000	18.7	22.0	22.0	26.4	27.7	27.7	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
W 8000	18.6	23.7	23.7	28.1	29.4	29.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
W 7000	20.7	24.8	24.8	29.4	30.6	30.6	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
W 6000	20.9	25.0	25.0	29.5	30.8	30.8	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
W 5000	21.1	25.3	25.3	29.9	31.2	31.2	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
W 4500	21.1	25.3	25.3	29.9	31.2	31.2	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
W 4000	22.6	27.0	27.0	31.6	32.8	32.8	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
W 3500	23.7	28.4	28.4	33.6	35.2	35.2	36.9	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
W 3000	27.7	37.2	37.2	42.8	44.6	44.6	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
W 2500	31.4	39.6	39.6	45.9	47.7	47.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
W 2000	33.9	43.3	43.3	51.0	52.8	52.8	55.0	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
W 1800	34.5	44.4	44.4	52.3	54.7	54.7	57.2	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
W 1500	35.4	46.4	46.4	55.8	58.3	58.3	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
W 1200	35.4	47.5	47.5	59.3	62.0	62.0	64.8	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
W 1000	37.4	50.3	50.3	62.6	66.2	66.2	69.2	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
W 900	37.4	50.3	50.3	62.9	66.6	66.6	69.5	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
W 800	38.5	51.9	51.9	64.6	68.3	68.3	71.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
W 700	39.8	54.5	54.5	68.1	71.9	71.9	76.3	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
W 600	40.2	54.9	54.9	69.2	74.5	74.5	79.3	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
W 500	40.6	55.2	55.2	69.9	76.7	76.7	82.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
W 400	40.7	55.6	55.6	70.3	77.2	77.2	83.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
W 300	40.7	55.6	55.6	70.3	77.2	77.2	83.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
W 200	40.7	55.6	55.6	70.3	77.2	77.2	83.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
W 100	40.7	55.6	55.6	70.3	77.2	77.2	83.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
W 0	40.7	55.6	55.6	70.3	77.2	77.2	83.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1

TOTAL NUMBER OF OBSERVATIONS 595

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6192

BAUMHOLDER DL

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	12.2	15.1	15.7	19.5	19.9	19.9	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
≥20000	13.9	17.3	18.3	22.9	23.3	23.3	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
≥18000	14.1	17.5	18.5	23.1	23.5	23.5	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥16000	14.1	17.5	18.5	23.1	23.5	23.5	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥14000	14.1	17.5	18.5	23.1	23.5	23.5	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥12000	14.1	17.5	18.5	23.1	23.5	23.5	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥10000	17.1	21.3	22.3	28.1	28.5	28.5	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥9000	19.1	23.5	24.5	30.9	31.3	31.3	31.9	31.9	31.9	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥8000	21.9	25.7	26.7	33.9	34.5	34.5	35.5	35.5	35.5	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥7000	21.9	26.5	27.5	34.7	35.3	35.3	36.3	36.3	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥6000	21.9	26.9	27.9	35.1	35.7	35.7	36.7	36.7	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥5000	22.3	27.3	28.3	35.5	36.1	36.1	37.1	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥4500	22.3	27.3	28.3	35.5	36.1	36.1	37.1	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥4000	24.1	29.9	30.9	38.9	39.0	39.0	40.0	40.0	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥3500	25.3	31.5	32.7	40.2	41.4	41.4	42.6	42.6	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥3000	30.3	36.4	39.6	48.0	49.2	49.2	50.4	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥2500	32.7	42.4	43.6	52.4	53.6	53.6	54.8	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥2000	32.3	45.8	47.4	56.6	58.2	58.2	60.0	60.2	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥1800	35.7	46.2	47.8	57.2	59.4	59.4	61.2	61.4	61.4	61.8	62.0	62.0	62.0	62.0	62.0	62.0
≥1500	37.8	50.4	52.4	62.4	65.1	65.1	67.1	67.5	67.5	68.1	68.3	68.3	68.3	68.3	68.3	68.3
≥1200	38.4	53.2	55.2	65.9	69.1	69.1	71.1	71.5	71.5	72.1	72.3	72.3	72.3	72.3	72.3	72.3
≥1000	40.6	56.8	58.8	69.7	73.5	73.5	75.9	77.3	77.3	77.9	78.1	78.1	78.1	78.1	78.1	78.1
≥900	40.6	56.8	58.8	70.1	73.9	73.9	76.3	77.7	77.7	78.3	78.5	78.5	78.5	78.5	78.5	78.5
≥800	41.2	57.8	60.0	72.1	75.9	75.9	78.5	79.9	79.9	81.1	81.3	81.3	81.3	81.3	81.3	81.3
≥700	42.8	59.8	62.0	74.3	78.5	78.5	82.1	83.5	83.5	84.7	84.9	84.9	84.9	84.9	84.9	84.9
≥600	42.8	59.8	62.0	74.3	79.1	79.1	82.7	83.3	83.5	84.9	87.6	87.8	87.8	87.8	87.8	87.8
≥500	42.8	59.8	62.0	74.9	79.7	79.7	83.7	86.5	86.7	90.4	91.8	92.0	92.0	92.0	92.0	92.0
≥400	42.8	59.8	62.0	74.9	79.7	79.7	84.3	88.0	88.4	92.8	94.4	94.8	94.8	94.8	94.8	94.8
≥300	42.8	59.8	62.0	74.9	79.7	79.7	84.3	88.0	88.4	93.2	94.8	95.4	95.4	95.4	95.4	95.4
≥200	42.8	59.8	62.0	74.9	79.7	79.7	84.3	88.0	88.4	93.4	95.0	95.6	95.6	97.4	98.0	98.2
≥100	42.8	59.8	62.0	74.9	79.7	79.7	84.3	88.0	88.4	93.4	95.0	95.6	95.6	97.6	98.6	99.8
≥0	42.8	59.8	62.0	74.9	79.7	79.7	84.3	88.0	88.4	93.4	95.0	95.6	95.6	97.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 898

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 SAFETAC
 ATO WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 6190 BAUMHOLDER DL STATION NAME 73-82 YEAR DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

630-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	210	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	619	609	608	607	606	605	604	603	602	601	600	599	598	597	596	595
≥ 20000	9.8	12.0	14.0	16.8	17.6	17.6	18.4	19.0	19.3	19.6	20.1	20.1	21.5	22.3	22.6	22.6
≥ 18000	10.3	13.1	14.5	17.3	18.2	18.2	19.3	20.1	20.4	20.9	21.5	21.5	22.9	23.7	24.0	24.0
≥ 16000	10.3	13.4	14.8	17.6	18.4	18.4	19.6	20.4	20.7	21.2	21.8	21.8	23.2	24.0	24.3	24.3
≥ 14000	10.3	13.4	14.8	17.6	18.4	18.4	19.6	20.4	20.7	21.2	21.8	21.8	23.2	24.0	24.3	24.3
≥ 12000	10.3	13.4	14.8	17.6	18.4	18.4	19.6	20.4	20.7	21.2	21.8	21.8	23.2	24.0	24.3	24.3
≥ 10000	10.9	14.5	15.0	19.0	19.8	19.8	20.9	21.8	22.1	22.9	23.5	23.5	24.9	25.7	26.0	26.0
≥ 9000	11.7	15.6	17.0	20.1	20.9	20.9	22.1	22.9	23.2	24.0	24.6	24.6	26.0	26.8	27.1	27.1
≥ 8000	12.6	16.5	17.9	21.9	21.8	22.9	23.7	24.0	24.9	25.4	25.4	26.8	27.7	27.9	27.9	27.9
≥ 7000	13.1	17.0	18.4	21.5	22.3	22.3	23.5	24.3	24.6	25.4	26.0	26.0	27.8	28.2	28.5	28.5
≥ 6000	13.1	17.0	18.4	21.5	22.6	22.6	23.7	24.6	24.9	25.7	26.3	26.3	27.7	28.5	28.8	28.8
≥ 5000	13.4	17.3	18.7	22.1	22.9	22.9	24.0	24.9	25.1	26.0	26.5	26.5	27.9	28.8	29.1	29.1
≥ 4500	13.4	17.3	18.7	22.1	22.9	22.9	24.0	24.9	25.1	26.0	26.5	26.5	27.9	28.8	29.1	29.1
≥ 4000	14.1	18.7	20.1	23.5	24.3	24.3	25.4	26.3	26.5	27.4	27.9	27.9	29.3	30.2	30.8	30.8
≥ 3500	14.5	19.6	21.9	24.3	25.1	25.1	26.5	27.4	27.7	28.5	29.1	29.1	30.4	31.3	31.6	31.6
≥ 3000	17.3	23.7	25.1	29.1	29.9	30.4	31.6	32.4	32.7	33.5	34.1	34.1	35.5	36.3	36.6	36.6
≥ 2500	19.6	26.8	28.2	32.4	33.5	34.1	35.2	36.3	36.6	37.4	38.0	38.0	39.4	40.2	40.5	40.5
≥ 2000	24.1	32.7	34.1	38.8	39.9	40.5	41.6	43.3	43.6	44.7	45.3	45.3	46.6	47.5	47.8	47.8
≥ 1800	24.0	33.2	34.6	39.4	40.5	41.1	42.2	43.9	44.1	45.3	45.8	45.8	47.2	48.0	48.3	48.3
≥ 1600	27.1	36.1	37.7	42.7	44.4	45.0	46.9	48.9	49.2	51.1	52.2	52.5	53.9	54.7	55.0	55.0
≥ 1400	25.8	39.4	41.6	47.5	49.4	50.0	53.1	55.0	55.6	57.8	58.9	59.2	60.6	61.5	61.7	61.7
≥ 1200	30.7	41.6	44.4	52.0	54.2	54.7	58.9	61.2	61.7	64.2	65.4	65.6	67.0	68.2	68.4	68.4
≥ 1000	31.8	43.6	46.4	53.9	56.1	56.7	60.9	63.1	63.7	66.2	67.3	67.6	69.0	70.1	70.4	70.4
≥ 900	32.4	44.7	47.5	55.6	57.8	58.4	63.1	66.2	66.8	69.3	70.4	70.7	72.1	73.5	74.0	74.0
≥ 800	32.7	45.0	47.8	57.5	59.8	60.3	65.4	69.3	69.8	73.2	74.3	74.6	76.0	77.4	77.9	78.2
≥ 700	33.0	45.8	49.2	59.2	61.5	62.0	67.0	71.2	71.8	75.9	76.5	76.8	78.2	79.6	80.2	80.4
≥ 600	33.2	47.2	50.6	60.6	62.8	63.4	69.3	74.3	74.9	79.3	81.3	82.4	84.4	87.2	87.7	88.0
≥ 500	33.2	47.5	50.8	60.9	63.1	63.7	69.6	75.1	75.7	81.0	83.0	84.1	86.3	90.2	90.8	91.3
≥ 400	33.2	47.5	51.8	60.9	63.1	63.7	69.6	75.1	75.7	81.6	83.8	84.9	88.0	92.7	93.6	94.4
≥ 300	33.2	47.8	51.1	61.2	63.4	64.0	69.8	75.4	76.0	81.8	84.4	85.8	88.8	93.9	95.8	97.5
≥ 200	33.2	47.8	51.1	61.2	63.4	64.0	69.8	75.4	76.0	81.8	84.4	85.8	88.8	93.9	96.1	100.0
≥ 100	33.2	47.8	51.1	61.2	63.4	64.0	69.8	75.4	76.0	81.8	84.4	85.8	88.8	93.9	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 358

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

6197

BAUMHOLDER DL

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																		
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9
20000	10.4	13.1	13.5	15.1	15.4	15.4	15.9	16.3	16.3	16.3	16.3	16.3	16.4	16.6	16.8	17.0	18.0		
18000	11.6	14.5	14.9	16.4	17.3	17.3	18.0	18.3	18.3	18.3	18.3	18.5	18.7	18.9	19.4	19.6	20.6		
16000	12.1	14.9	15.2	16.8	17.6	17.6	18.3	18.7	18.7	18.7	18.7	18.9	19.0	19.2	19.7	19.9	20.9		
14000	12.1	14.9	15.2	16.8	17.6	17.6	18.3	18.7	18.7	18.7	18.7	18.9	19.0	19.2	19.7	19.9	20.9		
12000	12.3	15.1	15.4	17.0	17.8	17.8	18.5	18.9	18.9	18.9	18.9	19.0	19.2	19.4	19.9	20.1	21.1		
10000	12.3	15.1	15.4	17.0	17.8	17.8	18.5	18.9	18.9	18.9	18.9	19.0	19.2	19.4	19.9	20.1	21.1		
8000	12.3	16.3	16.8	18.7	20.2	20.2	21.3	21.3	21.3	21.6	21.8	22.0	22.1	22.7	22.8	23.9	25.1		
6000	13.3	17.1	17.6	19.9	21.5	21.5	22.5	22.5	22.5	22.8	23.0	23.2	23.4	23.9	24.7	25.1	25.1		
4000	14.4	18.5	19.2	21.5	23.0	23.0	23.7	24.0	24.0	24.4	24.6	24.7	24.9	25.4	25.6	26.1	26.3	27.3	
2000	14.4	19.2	19.9	22.1	23.7	23.7	24.4	24.7	24.7	25.1	25.3	25.4	25.6	26.1	26.3	27.3	27.3		
1000	14.4	19.2	19.9	22.1	23.7	23.7	24.4	24.7	24.7	25.1	25.3	25.4	25.6	26.1	26.3	27.3	27.3		
500	14.4	19.2	19.9	22.1	23.7	23.7	24.4	24.7	24.7	25.1	25.3	25.4	25.6	26.1	26.3	27.3	27.3		
200	14.4	19.2	19.9	22.1	23.7	23.7	24.4	24.7	24.7	25.1	25.3	25.4	25.6	26.1	26.3	27.3	27.3		
100	14.4	19.2	19.9	22.1	23.7	23.7	24.4	24.7	24.7	25.1	25.3	25.4	25.6	26.1	26.3	27.3	27.3		
50	14.4	19.2	19.9	22.1	23.7	23.7	24.4	24.7	24.7	25.1	25.3	25.4	25.6	26.1	26.3	27.3	27.3		
20	14.4	19.2	19.9	22.1	23.7	23.7	24.4	24.7	24.7	25.1	25.3	25.4	25.6	26.1	26.3	27.3	27.3		
10	14.4	19.2	19.9	22.1	23.7	23.7	24.4	24.7	24.7	25.1	25.3	25.4	25.6	26.1	26.3	27.3	27.3		
5	14.4	19.2	19.9	22.1	23.7	23.7	24.4	24.7	24.7	25.1	25.3	25.4	25.6	26.1	26.3	27.3	27.3		
2	14.4	19.2	19.9	22.1	23.7	23.7	24.4	24.7	24.7	25.1	25.3	25.4	25.6	26.1	26.3	27.3	27.3		
1	14.4	19.2	19.9	22.1	23.7	23.7	24.4	24.7	24.7	25.1	25.3	25.4	25.6	26.1	26.3	27.3	27.3		
0	14.4	19.2	19.9	22.1	23.7	23.7	24.4	24.7	24.7	25.1	25.3	25.4	25.6	26.1	26.3	27.3	27.3		

TOTAL NUMBER OF OBSERVATIONS 578

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6192 BAUMHOLDER DL

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-0-1400

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING ≥ 20000	13.0	16.2	16.2	18.3	18.3	18.3	18.3	18.3	18.3	18.5	18.5	18.5	18.5	19.3	19.5	19.5
IN 18000	15.6	19.5	19.5	21.9	21.9	21.9	21.9	21.9	21.9	22.1	22.1	22.1	22.1	22.9	23.1	23.1
IN 16000	16.1	19.7	19.7	22.1	22.1	22.1	22.1	22.1	22.1	22.3	22.3	22.3	22.3	23.1	23.3	23.3
IN 14000	16.1	19.7	19.7	22.1	22.1	22.1	22.1	22.1	22.1	22.3	22.3	22.3	22.3	23.1	23.3	23.3
IN 12000	16.6	20.2	20.2	22.7	22.7	22.7	22.7	22.7	22.7	22.9	22.9	22.9	22.9	23.7	23.9	23.9
IN 10000	17.7	21.6	21.6	24.2	24.2	24.2	24.2	24.2	24.2	24.6	24.6	24.6	24.6	25.4	25.6	25.6
IN 8000	17.7	21.6	21.6	24.6	24.6	24.6	24.6	25.0	25.0	25.4	25.4	25.4	25.4	26.1	26.3	26.3
IN 7000	19.1	22.9	22.9	26.0	26.0	26.0	26.0	26.3	26.3	26.7	26.7	26.7	26.7	27.5	27.7	27.7
IN 6000	20.2	24.8	24.8	27.9	28.1	28.1	28.1	28.4	28.4	28.8	28.8	28.8	28.8	29.6	29.8	29.8
IN 5000	20.8	25.4	25.4	28.4	28.6	28.6	28.6	29.0	29.0	29.4	29.4	29.4	29.4	30.2	30.3	30.3
IN 4500	20.8	25.4	25.4	28.4	28.6	28.6	28.6	29.0	29.0	29.4	29.4	29.4	29.4	30.2	30.3	30.3
IN 4000	22.1	27.3	27.3	30.5	30.7	30.7	30.7	31.1	31.1	31.7	32.1	32.3	32.3	33.0	33.2	33.2
IN 3500	22.1	27.3	27.3	30.7	30.9	30.9	30.9	31.3	31.3	31.9	32.3	32.4	32.4	33.2	33.4	33.4
IN 3000	24.8	31.1	31.1	35.5	35.7	35.7	35.7	36.1	36.8	37.4	37.8	38.0	38.0	38.7	38.9	38.9
IN 2500	27.7	34.2	34.2	39.1	39.3	39.3	39.3	40.3	41.0	41.7	41.8	42.2	42.4	43.1	43.3	43.3
IN 2000	32.4	40.5	41.0	45.4	45.6	45.6	45.6	47.1	48.5	48.5	49.2	49.6	49.8	50.6	50.8	50.8
IN 1800	33.7	41.2	41.8	46.2	46.8	46.8	46.8	48.3	49.6	49.6	50.4	50.8	51.0	51.7	51.9	51.9
IN 1500	34.4	44.3	44.8	49.8	50.6	51.0	52.7	54.2	54.6	55.3	55.7	55.9	55.9	56.7	56.9	56.9
IN 1200	35.4	49.2	49.8	54.8	55.5	55.9	58.7	59.5	59.9	60.9	61.3	61.5	61.5	62.7	62.8	62.8
IN 1000	40.1	51.3	51.9	57.4	58.4	58.8	61.6	63.5	64.3	65.3	65.6	66.0	66.0	66.8	67.0	67.0
IN 900	40.3	51.5	52.1	58.2	59.2	59.5	62.4	64.5	65.3	66.2	66.6	67.0	67.0	67.7	67.9	67.9
IN 800	41.8	53.4	54.7	60.3	61.6	62.0	65.1	67.6	68.5	69.5	69.8	70.2	70.2	71.0	71.2	71.2
IN 700	42.7	54.4	55.7	62.0	63.7	64.1	67.6	70.0	71.4	72.7	73.1	73.5	73.5	74.2	74.4	74.4
IN 600	42.6	55.7	55.9	64.5	66.2	66.6	70.0	73.7	75.2	77.7	78.1	78.4	78.6	79.6	80.0	80.0
IN 500	42.6	55.0	55.9	64.9	67.0	67.4	71.6	76.5	78.6	83.2	83.6	84.4	84.7	86.1	87.0	87.2
IN 400	42.6	55.0	55.9	64.9	67.0	67.4	72.3	77.7	80.0	85.9	86.3	87.4	88.2	90.3	91.2	91.4
IN 300	42.6	55.0	55.9	64.9	67.4	67.7	72.9	78.2	80.7	87.0	87.4	88.7	90.3	93.3	94.3	95.0
IN 200	42.6	55.7	55.9	64.9	67.4	67.7	72.9	78.2	80.7	87.4	87.8	89.1	90.8	94.8	96.0	97.9
IN 100	42.6	55.0	55.9	64.9	67.4	67.7	72.9	78.2	80.7	87.4	87.8	89.1	90.8	95.0	96.8	100.0
IN 50	42.6	55.0	55.9	64.9	67.4	67.7	72.9	78.2	80.7	87.4	87.8	89.1	90.8	95.0	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 528

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 619 BAUMHOLDER DL

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
≥10000	17.1	16.4	16.9	18.8	18.8	18.8	18.8	18.8	18.8	19.0	19.0	19.2	19.2	20.0	20.2	20.2
≥18000	16.9	20.9	21.4	23.3	23.3	23.3	23.3	23.3	23.3	23.5	23.5	23.8	23.8	24.5	24.7	24.7
≥16000	16.9	20.9	21.4	23.3	23.3	23.3	23.3	23.3	23.3	23.5	23.5	23.8	23.8	24.5	24.7	24.7
≥14000	16.9	20.9	21.4	23.3	23.3	23.3	23.3	23.3	23.3	23.5	23.5	23.8	23.8	24.5	24.7	24.7
≥12000	17.1	21.1	21.6	23.8	23.8	23.8	23.8	23.8	23.8	24.0	24.0	24.2	24.2	24.9	25.2	25.2
≥10000	17.3	22.1	22.6	24.9	24.9	24.9	24.9	24.9	24.9	25.2	25.2	25.4	25.4	26.1	26.4	26.4
≥9000	17.6	22.3	22.8	25.2	25.2	25.2	25.2	25.2	25.2	25.4	25.4	25.7	25.7	26.4	26.6	26.6
≥8000	17.5	23.3	23.9	26.1	26.1	26.1	26.1	26.1	26.1	26.4	26.4	26.6	26.6	27.3	27.6	27.6
≥7000	17.2	24.0	24.5	26.8	26.8	26.8	26.8	27.3	27.3	27.6	27.6	27.8	27.8	28.5	28.7	28.7
≥6000	17.2	24.0	24.5	26.8	26.8	26.8	26.8	27.3	27.3	27.6	27.6	27.8	27.8	28.5	28.7	28.7
≥5000	17.2	24.0	24.5	26.8	26.8	26.8	26.8	27.3	27.3	27.6	27.6	27.8	27.8	28.5	28.7	28.7
≥4500	17.0	24.7	25.2	27.6	27.6	27.6	27.6	28.0	28.0	28.3	28.3	29.5	29.5	29.2	29.5	29.5
≥4000	17.2	26.4	26.8	29.2	29.2	29.2	29.2	29.7	29.7	29.9	29.9	30.2	30.2	30.9	31.1	31.1
≥3500	21.4	26.1	28.5	30.9	30.9	30.9	30.9	31.4	31.4	32.1	32.1	32.3	32.3	33.0	33.3	33.3
≥3000	24.0	30.9	31.6	34.0	34.0	34.0	34.0	34.7	34.7	35.4	35.4	35.6	35.6	36.3	36.6	36.6
≥2500	24.3	35.9	36.6	39.7	39.7	39.7	40.4	41.1	41.1	41.8	41.8	42.0	42.0	42.8	43.0	43.0
≥2000	31.5	41.7	42.3	45.8	45.8	45.8	47.3	49.2	49.2	49.9	49.9	50.1	50.1	51.1	51.3	51.3
≥1800	2.3	42.1	43.0	46.6	46.6	46.6	48.2	50.1	50.1	50.8	50.8	51.1	51.1	52.0	52.3	52.3
≥1500	34.9	45.4	46.3	50.1	50.8	50.8	53.2	55.6	55.6	56.8	56.8	57.0	57.2	58.0	58.2	58.2
≥1200	37.1	49.2	50.1	54.2	55.1	55.1	57.7	60.3	60.3	61.8	62.0	62.2	62.5	63.7	63.9	63.9
≥1000	38.2	51.3	53.0	57.7	59.1	59.1	62.5	65.1	65.1	67.0	67.2	67.5	67.9	69.1	69.4	69.4
≥900	38.5	51.5	53.2	58.2	59.6	59.6	62.9	65.6	65.6	67.7	67.9	69.2	69.6	69.8	70.1	70.1
≥800	39.1	52.0	53.7	59.4	60.8	60.8	65.3	67.9	67.9	70.1	70.3	70.5	71.0	72.2	72.4	72.4
≥700	39.2	53.2	55.8	61.8	63.4	63.9	68.6	72.0	72.0	74.1	74.3	74.6	75.1	76.2	76.5	76.5
≥600	39.2	53.2	55.8	62.5	64.1	64.6	70.3	73.6	73.9	77.0	77.9	78.9	79.6	80.8	81.0	81.0
≥500	39.4	53.4	56.1	62.9	65.3	66.0	73.2	77.4	77.9	80.1	80.1	80.6	81.0	82.6	83.1	83.1
≥400	39.4	53.4	56.1	62.9	65.6	66.3	74.3	78.6	79.1	85.5	86.7	87.6	88.4	90.7	91.2	91.2
≥300	39.4	53.4	56.1	63.4	66.0	66.7	74.8	79.3	80.0	86.7	87.9	88.8	89.8	92.6	93.3	94.1
≥200	39.4	53.4	56.1	63.4	66.0	66.7	74.8	79.3	80.0	86.9	88.1	89.1	90.5	94.1	95.5	97.4
≥100	39.4	53.4	56.1	63.4	66.0	66.7	74.8	79.3	80.0	86.9	88.1	89.1	90.5	94.3	96.0	99.3
≥50	39.4	53.4	56.1	63.4	66.0	66.7	74.8	79.3	80.0	87.2	88.4	89.3	90.7	94.5	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 421

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

(Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

2

PSYCHROMETRIC SUMMARY

74-23

184

STATION 2W

STATION NAME

YEARS

MONTH

PAGE 1

7000-3540

HOURS 11, 5, 7, 1

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OL A)

USAFETAC

24

1

482

YEARS

MONTH

0900-1100

HOURS (L, S, T)

SAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

1

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L, S, Y.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

74-83

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L, S, T, I)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL																			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																					
47 53		.2		.4														3	3																						
47 51		.4	.3		.2													7	7	4																					
47 49		.8		.2														5	5	1	2																				
47 47		1.6	2.2	.2														20	20	11	1																				
47 45	1.2	1.4	1.0	.2														12	12	7	19																				
47 43	.2	1.0	1.0	.6														14	14	16	7																				
47 41	.4	3.4	5.4															51	51	10	15																				
47 39	1.4	3.4	3.2	.2														41	41	39	26																				
47 37	.6	6.2	.6	.2														38	38	41	19																				
47 35	1.2	.4	.4															55	55	62	43																				
47 33	2.6	5.4	1.0															45	45	68	74																				
47 31	2.6	7.2	.4															51	51	60	65																				
47 29	2.2	4.2																32	32	41	51																				
47 27	5.2	4.6	.4															51	51	42	61																				
47 25	3.2	1.8	.2															26	26	28	31																				
47 23	.2	1.0																6	6	12	26																				
47 21	1.6	.8																12	12	13	7																				
47 19	1.2	.6																9	9	10	20																				
47 17	.8	1.2																10	10	11	6																				
47 15	.6																	3	3	5	10																				
47 13	.2	.2																2	2	2	9																				
47 11	.2																	1	1	1	4																				
47 9	.2																	1	1	1	3																				
47 7																					1																				
TOTAL	25.554	7.7	17.6	2.0	.7													501	501	501	501																				
																									</																

2

1

74-83

FFS.

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

USAFETAC
FORM
RA 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

100190 LAUMHOLDER DL

74-83

FE

PAGE 1 0900-1100
NOV 21 11 51 AM '61

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

176190 LAUMHOLDER DL

74-83

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
61/ 55																			2	2															
47/ 53																			1	1															
47/ 49			.5																9	9															
47/ 47			.4	1.2	1.7														13	13	4														
47/ 45	.2	1.9	4.2	1.9															43	43	12	4													
44/ 43	.2	1.9	3.3	1.2															34	34	24	5													
47/ 41	1.7	3.6	3.5	.5															56	56	53	22													
40/ 39	.2	4.3	2.3	.2															35	35	41	36													
38/ 37	3.8	3.5	1.5	.2															47	47	62	55													
36/ 35	1.3	5.3	4.7	.5															61	61	43	52													
34/ 33	2.1	4.7	2.5	.4															47	47	63	58													
32/ 31	2.1	5.4	.8																43	43	67	46													
30/ 29	1.9	3.8	.4	.2															33	33	47	45													
28/ 27	4.6	6.5	.4																60	60	48	72													
26/ 25	3.1	.8																	20	20	36	45													
24/ 23	1.9	.6																	13	13	14	44													
22/ 21	.5	.2																	4	4	6	21													
20/ 19																					1	9													
18/ 17																						4													
16/ 15																						2													
TOTAL	23.0	44.5	24.8	6.7	1.7														521	521	521	521													
																						521	521	521	521										

PSYCHROMETRIC SUMMARY

F E 6

STATION

STATION NAME

YEARS

MON T N

PAGE 1

1500-1700
MORRIS (1-3-7)

[illegible]

PSYCHROMETRIC SUMMARY

74-83

YEARS

MA
MONTH

0000-0900
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
59			.2															1	1																
57			.2															1	1																
55																				1															
53	.2																	1	1	2	1														
51	.2	.5																3	3	1	3														
49	.5	.2	.7															6	6	5	2														
47	1.4	1.9	1.4	.5	.2													23	23	9	9														
45	1.7	2.9	.2															20	20	25	15														
43	.5	3.6	.5															19	19	17	11														
41	1.7	8.6	.5															45	45	33	37														
39	1.0	5.0	1.4															35	35	29	25														
37	4.8	2.8																36	36	46	39														
35	5.7	6.0	1.2															54	54	49	53														
33	5.2	4.0	1.7															46	46	55	46														
31	4.5	4.0																39	39	48	43														
29	2.4	4.3																26	28	22	25														
27	4.0	2.4																27	27	31	41														
25	.7	3.3																17	17	11	20														
23	1.4																	6	6	15	13														
21	.5																	2	2	3	10														
19	.5																	4	4	4	5														
17	.5																	2	2	2	3														
15	.7																	3	3	2	3														
13	.2																	1	1	3	2														
11	.2																	1	1	2	2														
9																					3														
7																																			
5																																			
TOTAL	35.0	56.2	8.1	.5	.2													420	420	420	420														
																						420	420												

PSYCHROMETRIC SUMMARY

74-83

315

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-83

54.

NOTE

PAGE 1 100-1440
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
64/ 63			.3						.2									4	4																
62/ 61			.2	.2				.2	.2									6	6																
60/ 59					.2	1.2		.2	.2									12	12	2															
58/ 57		.5	.3		.6	.3												11	11	1	2														
56/ 55			.5	.2	1.1	.5		.7	.2									16	16	4	4														
54/ 53		.5	1.4	1.1	.6		.2											24	24	4															
52/ 51	.2	.3	2.0	1.4	.6			.2										30	30	19	4														
50/ 49	.3	.6	1.2	.9	.6	.5												28	28	14	7														
48/ 47	.3	1.4	1.6	.3	.1	.2												28	28	40	11														
46/ 45	1.1	3.7	4.7	2.2	.5	.2												60	60	49	28														
44/ 43	.5	2.6	7.1	1.1	.3													75	75	50	40														
42/ 41	2.2	4.8	4.8	2.0	.5													92	92	72	78														
40/ 39	.9	5.3	5.6	.5	.2													60	60	90	42														
38/ 37	2.5	3.0	3.2	.6		.2												50	50	89	63														
36/ 35	.9	3.4	1.4	.2	.2													39	39	79	105														
34/ 33	.3	3.1	.6	.5														31	31	56	56														
32/ 31	.5	.6	.9	.3														15	15	71	64														
30/ 29		.6	.8	.3														11	11	10	34														
28/ 27		.3	.2															3	3	14	51														
26/ 25																				6	12														
24/ 23																				2	19														
22/ 21																					8														
20/ 19																					0														
18/ 17																					2														
16/ 15																					2														
14/ 13																					1														
12/ 11																					1														
10/ 9																					4														
TOTAL	10.13	.736	.511	.6	6.2	3.3	.6	.5	.5									644		644	644														

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 5190 SAUMFOLDER DL 74-83 MAY
STATION STATION NAME YEARS MONTH
PAGE 1 1570-1700
HOURS T.D.S. T.D.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																														
57/ 55				.2														1	1																																
54/ 53				.3														4	4																																
52/ 51		.2		.2		.3		.3	.3									8	8		1																														
51/ 50		.3		.3	.2	2.0	.2	.1		.2								21	21		3																														
50/ 50			.3	.3	.7	1.2				.2								14	14		4																														
50/ 50			.3	.5	1.3	.5				.2								19	19		1																														
48/ 50			1.0	1.3	1.7		.2											26	26		6																														
47/ 51	.3	.3	2.1	1.3	.3	.2												27	27		14																														
47/ 49	.8	.5	.7	.3	.7	.1												26	20		17																														
47/ 47	.5	1.2	1.7	3.0	.5	.3												43	43		49																														
47/ 45	1.2	3.0	4.5	3.5	1.0	.5												64	64		79																														
44/ 43	.5	2.7	4.0	1.2	.3	.2												53	53		47																														
47/ 41	2.0	6.0	6.5	1.7	.5	.2												111	101		74																														
47/ 39	.3	3.5	4.5	.8	.2													56	56		77																														
37/ 37	1.5	3.2	3.5	1.3	.2													56	56		74																														
36/ 35	.2	2.0	1.5	.2	.2													24	24		61																														
34/ 33	.2	1.5	.5	.5	.2													19	19		49																														
32/ 31		1.3	1.3	.2														17	17		70																														
27/ 29			.7															4	4		71																														
20/ 27		.2																1	1		10																														
28/ 25																																																			
24/ 23																																																			
27/ 21																																																			
27/ 19																																																			
18/ 17																																																			
16/ 15																																																			
14/ 13																																																			
17/ 11																																																			
17/ 9																																																			
TOTAL	7.4	26.0	33.6	17.1	7.4	5.5	1.1	.7	.5	.2								597	597		597																														
																				597																															
Element (X)	Σx'		Σx		R		σ _x		No. Obs.		Mean No. of Hours with Temperature																																								
Rel. Hum.	3337.537		43661		73.1		15.573		597		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total																												
Dry Bulb	1202289		26431		44.3		7.340		597				7.4										93																												
Wet Bulb	995112		24792		47.4		6.195		597				8.4										93																												
Dew Point	786932		21220		35.5		7.405		597				29.4										93																												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR FATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

1. 6190 LAUMHOLDER DL

74-83

STATION

STATION NAME

YEARS

MONTH

DATE

TIME

HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31																			
4/ 53																																				
4/ 51																																				
4/ 49																																				
4/ 47																																				
4/ 45																																				
4/ 43																																				
4/ 41																																				
4/ 39																																				
4/ 37																																				
4/ 35																																				
4/ 33																																				
4/ 31																																				
4/ 29																																				
4/ 27																																				
4/ 25																																				
4/ 23																																				
4/ 21																																				
4/ 19																																				
TOTAL	28.0	47.5	21.5	4.7	1.2																															

Element (X)	ΣX	ΣX^2	ΣX^3	ΣX^4	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	336270	34720	85.0	11.236	404	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F
Dry Bulb	54576	16170	39.7	6.371	404		15.6				
Wet Bulb	54576	16311	37.9	5.887	404		20.3				
Dew Point	528398	14388	35.6	6.298	404		32.7				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

10010	SAUNHOLDEH DL
STATION	STATION NAME

74-53

YEARS

12.

MONTH

F A L S E

5950-1100
HOURS (L. S. T.)

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100.

HOURS 11 - 5 - 7

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 44

PSYCHROMETRIC SUMMARY

74-87

YEARS

42 Y
MONTH

PAGE 1

66-6840
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
61/ 67			.3															1	1																
66/ 65			.3															1	1																
64/ 53		.3	.3	.3	.5	1.1												9	9	1															
62/ 61			.5	.3	.5	.3												7	7		2														
57/ 59			.8	1.0	1.5													14	14	1	1														
53/ 57		1.8	.8	.5	.7	.3												14	14	4	1														
56/ 55	.5	.8	1.8	1.8	.5													21	21	15	5														
54/ 53	.5	2.3	2.0	.8	.5	.5												20	26	16	13														
52/ 51	.8	3.8	1.7	3.0	1.3													39	39	32	9														
50/ 49	2.3	4.3	2.3	1.7														39	39	43	25														
45/ 47	1.5	5.1	4.8	1.3														50	50	46	35														
46/ 45	6.0	1.9	3.3	1.5	.3													50	42	32	41														
44/ 43	.8	2.8	2.0	.8														25	25	56	53														
42/ 41	1.3	1.5	1.0															15	15	31	55														
41/ 39	.3	3.0	1.5	.3														20	20	17	31														
39/ 37	1.2	2.0																12	12	20	20														
36/ 35	.3	.8																4	4	10	27														
34/ 33	1.5	.3																7	7	10	26														
32/ 31	.5																	2	2	3	5														
30/ 29																					5														
27/ 27																					2														
24/ 23																					1														
TOTAL	17.9	39.4	22.7	12.1	5.3	2.3	.3											396	396	300	396														

PSYCHROMETRIC SUMMARY

74-83

STATION

STATION NAME

YEARS

121

MON T H

PAGE 1

2300-1100

HOURS (L, S, T,)

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USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

176193 BAUMHOLDER DL 74-83 MAY 1969-1700
STATION MONTH HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
77/ 21										1.2								6	6					
77/ 79								.6	.2									5	5					
77/ 77								.6		.4	.2							6	6					
77/ 75								.7	1.0	1.4								13	13					
74/ 73							.6	.4	1.0	.2	.4							13	13					
72/ 71							.6	.8	.6	.4								12	12					
77/ 69							.8	1.4	.4	.4								15	15					
66/ 67					.4	.4	.8	1.0	.8	.6								20	20					
72/ 65					.6	.4	1.0	1.4	.2									18	18	8				
64/ 63			1.2	.4	1.8	4.1	2.0	.8										51	51	5				
62/ 61			.8	1.4	1.7	3.7	2.0	.6	.4									49	49	5				
67/ 59		.2	.5	1.6	2.0	2.7	.8	.4										42	42	16	2			
67/ 57		.8	1.2	.8	1.0	1.8	.6	.6										34	34	42	2			
56/ 55	1.0	1.0	1.2	.6	1.6	.8												32	32	38	11			
67/ 53	.4	2.0	.6	1.4	1.8	1.7	.2											37	37	43	24			
62/ 51	.2	1.2	2.4	2.4	.4													33	33	40	16			
57/ 49	.8	1.4	1.2	1.0	.2													23	23	56	40			
49/ 47	.6	1.4	1.8	.6		.2												24	24	50	32			
48/ 45	2.9	1.4	1.8	.4	.4													34	34	67	84			
44/ 43	.2	.6	.4															6	6	27	53			
47/ 41	.4	1.4																7	7	13	76			
40/ 39	.8	.2																5	5	11	39			
37/ 37	.2	.4																3	3	3	37			
36/ 35	.2																	1	1	3	24			
36/ 33	.2																	1	1	2	21			
32/ 31																					12			
37/ 29																					19			
30/ 27																					7			
TOTAL	5.7	17.0	13.3	12.2	9.2	13.7	12.4	10.4	5.5	4.7	.6	.2						490	490	490	490			

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	1972381	29473	60.120	204	490	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Dry Bulb	1715567	28629	58.4	9.364	490			17.1	8.2	1.3	93
Wet Bulb	1261064	24696	50.4	5.789	490						93
Dew Point	928768	21100	43.1	6.423	490		5.5				93

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PSYCHROMETRIC SUMMARY

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MONTH

7600-0800

HOURS (L, S, T, I)

USAFETAC

PSYCHROMETRIC SUMMARY

10-190	BAUMHOLDER DL	73-62	JUL
STATION	STATION NAME	YEARS	MONTH

PAGE 1 2900-1100
HOURS 11:55-1:01

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
77/ 71									.7	.7								5	5																
76/ 70									.2	.2								3	3																
75/ 69						.3	.3	.5	1.0									13	13																
74/ 68					.5	.5	1.2											16	16																
73/ 67					1.3	.7	1.7											16	16																
72/ 66					.2	1.0	1.1	1.1	.3									23	23																
71/ 65		.2	.2	1.5	1.6	1.6	.2											32	32																
70/ 64				.2	1.3	1.5												18	18	4															
69/ 63			1.1	.2	1.3	2.3	.7											37	37	0															
68/ 62		1.0	2.1	3.4	4.3	2.0	.2											79	79	20	5														
67/ 61	.7	.3	1.3	3.3	1.3	.8	.3											52	57	81	10														
66/ 59	.2	1.3	3.4	2.5	3.4	.8												83	63	53	24														
65/ 57	.2	3.0	2.6	2.5	1.3	.2												59	59	79	38														
64/ 55	.0	2.3	1.1	1.3	1.1	.2												42	42	103	44														
63/ 53	.5	1.3	3.3	1.3	.5													42	42	68	76														
62/ 51		1.6	2.1	1.0		.2												30	30	60	94														
61/ 49	.3	1.7	1.7	.3	.3													23	23	51	69														
60/ 47	.2	1.0	1.1	.3														16	16	44	57														
59/ 45	1.3	.7	.5															15	15	30	100														
58/ 43	.2	.2	.2	.2														4	4	13	34														
57/ 41	.3																	2	2	5	36														
56/ 39																				3	11														
55/ 37																					7														
54/ 35																					1														
53/ 33																					1														
52/ 31																					2														
51/ 29																					1														
TOTAL	4	313	923	017	017	412	3	5	4	4	3	1	6	.8					610		610														
																			610		610														

Element (X)	Σx'	Σx	Σ	Σx	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	36542.2	42192	69.2	14.938	610	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2287368	37044	60.7	7.875	610			18.6	7.8	.9		90
Wet Bulb	1938120	3320	54.6	5.449	610			.6				90
Dew Point	1536569	30431	49.9	5.506	610		.4					90

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33

YEARS

1200-1400

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7-87

STATION

STATION NAME

YEARS

MONTH

PAGE 1

14-17
HOURS 11-5-7-1

[illegible]

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1. 1150 BACKHOLOP 01
STATION

73-87

YEARS

MONTH

PAGE 1 ~~SECRET~~
HOURS 10.3.77

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
74/ 73					.2	.2	.2											3	7																
72/ 71					.2	.7	.2											6	6																
70/ 69			.2		.7	.2	.2											6	6																
68/ 67			.2		1.5	.2	.2											9	0	1															
66/ 65		.2	.5	.7	2.0	1.0												18	19	1															
64/ 63	.2	2.7	2.2	3.2	2.0													42	42	11	3														
62/ 61	.2	2.4	5.1	1.5	.2	.7												42	42	27	10														
60/ 59	.2	4.0	4.0	1.7	1.0													51	51	22	13														
58/ 57	.2	4.9	2.9	2.4	.7													46	46	51	41														
56/ 55	1.2	6.1	6.1	1.5	.2													62	62	51	48														
54/ 53	1.5	4.2	2.7	.7	.7													38	38	60	60														
52/ 51	1.5	6.2	3.7	.7														46	48	66	55														
50/ 49	1.2	2.7	1.2	.2														22	27	43	46														
48/ 47	.7	2.0	.2															12	12	37	61														
46/ 45	.2	.5	.2															4	4	16	42														
44/ 43																				5	19														
42/ 41																					1														
40/ 39																					2														
38/ 37																					1														
TOTAL	7.536	43.0	1.3	4	8.3	3.2	1.2											409		409															
																		409		409															

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2700721	32919	60.5	11.201	409	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1368976	23553	57.6	5.680	409			5.5	71			93
Wet Bulb	1204716	22125	58.1	4.537	409			.2				93
Dew Point	1389362	21622	53.4	4.661	409							

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/ AC

PSYCHROMETRIC SUMMARY

10/198 STATION NAME 73-87 YEARS MONTH

PAGE 1 0920-1100
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
47 31																																		1		1		
77 76																																		6		6		
77 77																																		5		5		
77 78																																		16		16		
77 73																																		21		21		
77 71																																		23		23		
77 69																																		25		25		
77 67																																		34		34		
67 65																																		40		40		1
47 63																																		39		39		
77 61																																		79		79		4
77 59																																		45		45		71
47 57																																		31		31		34
57 55																																		40		40		43
47 53																																		3		3		79
77 51																																		36		36		61
67 49																																		27		27		59
47 47																																		10		10		77
47 45																																		3		3		73
47 43																																				1		75
77 41																																					7	
47 39																																					43	
TOTAL	3.7	14.8	17.9	21.9	27.1	31.7	36.1	40.1	43.7	46.1	48.1	49.1	49.7	49.1	47.1	43.1	37.1	29.1	19.1	7.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	614		614		

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	774833	42490	69.3	14.771	614	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2443731	33504	62.7	7.463	614			27.4	12.4	1.2		93
Wet Bulb	1066926	39642	56.4	4.819	614			.9				92
Dew Point	1662460	31820	51.8	4.682	614			.2				93

PSYCHROMETRIC SUMMARY

PAGE 1 ~~CONFIDENTIAL~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
97 87																			.5			.5		.5									4	4		
96 85																			.5	1.1		.5		.5									4	9		
94 83															.5		.7																9	9		
92 81																1.5		.5															25	25		
90 79										.3	.2	.4	1.0		.3		.3																21	21		
88 77										.5	1.5	1.5	1.5		1.5		.5																34	34		
86 75								.2	.3	1.1	1.1	.5	.3																				13	13		
84 73								.3	1.1	1.2	.3	1.8	.8																				42	42		
82 71								.3	1.3	1.6	2.5	1.1	.2																				42	47		
80 69								.2	1.3	2.0	2.9	.5																					45	45		
78 67								.3	1.7	1.5	1.8	.3																					29	29	14	
76 65			.2	.7				.7	2.6	1.5	1.5	.2																					44	44	44	
74 63			.3	1.5	3.3	2.4	2.6	.3																									66	69		
72 61			.7	1.1	2.1	2.4	2.3																										51	51	44	
70 59			.8	2.9	2.7	2.4	.5																										3	53	52	
68 57	.7	.8	2.1	3.2	1.3																												51	51	50	
66 55	.2	1.1	2.4	1.6	.7																												34	34	72	
64 53		2.3	.6	.2	.2																												21	21	64	
62 51		1.1	.2	.2																													9	9	43	
60 49		.3																															2	2	26	
58 47		.3																															2	2	7	
56 45																																				
54 43																																				
52 41																																				
50 39																																				
TOTAL		.2	.8	1.1	1.7	1.4	1.5	.7	1.4	.7	1.5	.2	.7	.8	5.9	2.4	2.1	.5	.2														613	613	613	

JSAFETAC FORM 0.26 S (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
METEOR
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

1 19	LA JOLLA DL	73-87	JUL
STATION	STATION NAME	YEARS	MONTH

PAGE 3 1500-1700
HOURS U. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

73-82

4413

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0670-CB00

00 00 000
HOURS 11 5 11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
7 / 69				.2	.7	.5												6	6																
6 / 67			.7	.5														5	5																
6 / 65			1.2		.5													7	7	3															
4 / 63	.2	2.7	2.2	.7	.5													25	25	6	4														
6 / 61	1.2	4.9	2.7	1.2	.2													29	30	27	12														
6 / 59	1.0	3.1	4.7	1.2	1.5													63	63	38	28														
7 / 57	1.7	7.9	3.4	1.7														57	57	40	45														
5 / 55	3.4	7.1	2.9	.5														57	57	60	53														
6 / 53	1.5	10.0	2.9	1.0														71	71	71	44														
7 / 51	1.5	4.2	1.2	.2														29	29	66	67														
7 / 49	.5	2.9																14	14	31	58														
4 / 47		1.5	1.5															10	11	17	32														
4 / 45	.5	2.2	.5															13	13	13	37														
4 / 43		1.0																5	5	11	9														
6 / 41	.7	.2																4	4	6	14														
4 / 39		.2																1	1	1	5														
7 / 37																				1	1														
TOTAL	12.6	54.1	22.9	6.6	3.4	.5												407		407	407														

Element (X)	ΣX ²	ΣX	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	3,304.77	340.18	65.8	9.250	407							
Dry Bulb	1298112	22886	56.2	5.255	407			2.5				93
Wet Bulb	1184979	21121	53.9	4.790	407							43
Dew Point	1108499	21143	51.9	5.201	407							93

USAFETAC
FORM
MIL 44
0.26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MONTH

PAGE 1 ~~SECRET~~

[illegible]

2

2

73-82

410
MONTH

PAGE 1

1200-1400
HOURS (L. S. T.)

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE / TAC

PSYCHROMETRIC SUMMARY

18195 STATION SAUMHOLD-9 DL STATION NAME 13-87 YEARS MONTH

PAGE 1 1000-1740
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	O.B./W.B. Dry Bulb	Wet Bulb	Dew Point															
91/ 91																																	1	1	
91/ 89																																	1	1	
91/ 87																																	3	3	
91/ 85																																	3	3	
91/ 83																																	11	11	
91/ 81																																	22	22	
91/ 79																																	22	22	
91/ 77																																	36	36	
91/ 75																																	35	35	
91/ 73																																	33	33	
91/ 71																																	36	36	
91/ 69																																	58	58	
91/ 67																																	34	34	
91/ 65																																	53	53	
91/ 63																																	69	69	
91/ 61																																	40	40	
91/ 59																																	42	42	
91/ 57																																	25	25	
91/ 55																																	12	12	
91/ 53																																	12	12	
91/ 51																																			
91/ 49																																			
91/ 47																																			
91/ 45																																			
91/ 43																																			
91/ 41																																			
91/ 39																																			
91/ 37																																			
91/ 35																																			
91/ 33																																			
TOTAL	1.6	5.9	7.3	12.1	16.3	16.3	12.6	11.7	8.2	4.2	2.9	.7	.7	.2																		547	547		

Element (X)	Z _g	Z _h	Z	°s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1948515	31423	57.8	16.205	547	50 F	52 F	57 F	73 F	80 F	93 F	Total
Dry Bulb	2578327	373.1	68.2	7.972	547			49.1	28.4	9.8		93
Wet Bulb	1883891	32.07	58.5	4.897	547			3.9				93
Dew Point	1463492	28158	51.5	5.137	547							93

USAFETAC FORM 026-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-82

YEARS

_____ MONTH

PAGE 1

~~2600-0800~~
~~HOURS (1-5-7)~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
47/ 63				.5	.3													2	2														
47/ 61		1.0			.2													4	4														
47/ 59	1.0	3.3	1.6	.7														25	27	7	5												
47/ 57	1.0	3.2	2.3	1.3														25	25	15	13												
51/ 55	2.0	4.2	2.6	.7														29	29	22	17												
47/ 53	1.3	4.2	2.3															24	24	20	20												
47/ 51	1.3	7.2	1.3															30	30	36	21												
47/ 49	3.6	4.9	1.6															31	31	38	35												
47/ 47	3.9	5.7	2.3															37	37	43	40												
47/ 45	6.2	6.6	1.0															43	43	44	55												
47/ 43	3.3	4.2	.3															24	24	30	26												
47/ 41	1.3	4.6	.2															15	19	20	29												
47/ 39	2.3	1.3	.3															12	12	17	24												
47/ 37	1.0	1.0																6	6	8	13												
47/ 35	.3																	1	1	0	0												
47/ 33																					0												
TOTAL	28.352	415.6	2.9	.7														307	307	307	307												
																		307	307	307	307												

Element (X)	Σ x²	Σ x	x̄	s²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	25061.1	27615	90.0	8.514	307	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	768725	15251	49.7	6.021	307							90
Wet Bulb	122114	14788	48.2	5.655	307							90
Dew Point	652287	18361	46.8	5.791	307							90

PSYCHROMETRIC SUMMARY

15 FEB
MONTH

2900-1100
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
7 / 77																		1	1												
7 / 75								.4										3	3												
7 / 73																		1	1												
7 / 71																		2	2												
7 / 69																		1	1												
7 / 67					.4	.7												5	5												
7 / 65				.7	.4	.7	1.1											13	13	1											
7 / 63		1.1	.9	2.9	2.1	1.6												38	38	3											
7 / 61		2.5	3.1	1.8	1.6	.7												41	41	15	3										
7 / 59	.2	3.6	4.2	3.3	2.2	.7												66	66	27	17										
7 / 57	.9	4.9	2.7	3.6	.7	.4												59	59	65	22										
7 / 55	.4	4.5	2.9	1.8	.7													44	44	59	36										
7 / 53	1.1	3.3	3.6	1.1	.4													46	46	61	55										
7 / 51	.4	3.1	3.6	1.1														37	37	65	47										
7 / 49	1.3	2.4	2.0	.7														29	29	53	50										
7 / 47	.7	4.0	1.3	1.3														35	35	49	51										
7 / 45	.5	2.4	1.3	.7														21	21	32	75										
7 / 43	.7	.7																6	6	26	36										
7 / 41		.7	.7															7	7	5	31										
7 / 39																				2	17										
7 / 37																					6										
7 / 35																					2										
TOTAL	5.332	227.6	19.3	8.9	4.7	.4	.4											450	451	450	450										

Element (X)	Σ x ⁴	Σ x ³	Σ x ²	Σ x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2805924	35084	78.3	12.541	450	≤ 0 F	≤ 32 F	≥ 67 F	≥ 72 F	≥ 80 F	≥ 93 F	
Dry Bulb	14337.3	75279	56.1	6.108	451			2.6	1.3			90
Wet Bulb	1236736	23502	52.2	5.718	450							90
Dew Point	1093179	22043	49.0	5.466	450							90

PSYCHROMETRIC SUMMARY

10170 STATION LAUMHOLDER DL STATION NAME

73-81

YEARS

~~556~~
MONTH

PAGE 1 1220-14-0
HOURS 1537

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
77/ 71									.7	.4	.2							4	4																
76/ 70								.7	.9	.2								6	6																
74/ 73								.7	.9	.2								2	2																
72/ 71					.4	.2	.2											4	4																
70/ 69					.4	.4	.2											5	5																
68/ 67						.2	.4	.2	.9									11	11																
66/ 65					1.3	1.3	.9	.4										20	20																
64/ 63			.2	.9	1.8	1.6	1.1											25	25	3															
62/ 61			1.7	.4	2.7	2.5	1.1	.4										35	35	10															
60/ 59		1.1	1.3	4.5	3.5	4.7	1.3											72	72	11															
58/ 57		.4	3.4	2.5	2.7	1.6												45	45	12	5														
56/ 55		3.1	5.1	3.8	3.8	.9	.4											77	77	34	23														
54/ 53		1.6	4.0	2.9	1.6	.9												49	49	43	26														
52/ 51	.2	.9	1.8	1.3	.9	.2												24	24	75	47														
50/ 49		.9	2.2	1.1	.4													21	21	59	45														
48/ 47		.9	.9	.9														12	12	50	56														
46/ 45	.7	.2	1.1	1.3	1.7													21	21	33	48														
44/ 43	.2	.9	.4	.7														10	10	25	45														
42/ 41			.4															2	2	16	66														
40/ 39		.4																2	2	11	29														
38/ 37																					6														
36/ 35																					17														
TOTAL	1.110	5.22	4.20	4.20	11.50	5.8	1.6	2.0	.9	.2								447		447	447														

Element (X)	Σx'	Σx	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2191747	30029	67.213	759	447	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 86 F	≥ 93 F	
Dry Bulb	1690179	27317	61.1	6.827	447			15.5	4.2	2.3		90
Wet Bulb	1340565	24447	54.7	5.084	447			.6				90
Dew Point	1113425	22161	49.6	5.750	447							90

REVISED EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (01 A)

USAFETAC FORM 100-1

2

PSYCHROMETRIC SUMMARY

1.619C BAUMHOLDER DL
STATION

75-82

YEARS

554
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

REVISIONS AND PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

OCT
MONTH

0600-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
59			.5		.3													3	3													
57			.3															2	2													
55		.3	1.3		.3													7	7		1											
53		.3	1.3		.5	.5												11	11		3											
51	2.5	3.6		.3														16	16	26	19											
49	2.1	2.3	1.3															22	22	32	23											
47	3.6	5.7		.5														38	38	44	24											
45	6.5	6.2		.5														51	51	46	31											
43	2.1	5.7		.5														32	32	37	32											
41	4.9	5.7		.5														47	47	44	53											
39	5.4	5.4																42	42	36	43											
37	4.7	4.1																34	34	41	36											
35	3.9	2.8																26	26	32	37											
33	1.8	2.3																16	16	20	21											
31	1.8	.5																9	9	15	14											
29	1.6	2.6																16	16	13	14											
27	1.0																	4	4	7	13											
25																					3											
TOTAL	43.0	51.6	4.7	.8														386	386	306	386											

Element (X)	$\Sigma x'$	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	33779.32	36010	93.8	6.042	386	$\leq 0^\circ\text{F}$	$\leq 32^\circ\text{F}$	$\geq 67^\circ\text{F}$	$\geq 73^\circ\text{F}$	$\geq 80^\circ\text{F}$	$\geq 93^\circ\text{F}$	
Dry Bulb	717199	16436	42.6	6.713	386		7.0					93
Wet Bulb	68688	16790	41.7	6.484	386		8.4					93
Dew Point	657581	15727	40.7	6.607	386		10.6					93

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USAFETAC FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 44

[illegible]

USAFETAC
 AIR WEATHER SERVICE / MAC

PSYCHROMETRIC SUMMARY

1979 STATION FAUMHOLDEN BL STATION NAME 73-80 YEARS MONTH SET
 PAGE 1 1979-1980 HOURS (L.S. - T.S.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
74 / 73																																	1	1			
73 / 71																																	1	1			
72 / 69																																	4	4			
67 / 67																																	2	3			
67 / 65																																	7	7			
66 / 65																																	14	13			
67 / 61																																	14	14	6		
67 / 59																																	23	23	16		
67 / 57																																	7	27	19		
67 / 55																																	41	42	19	16	
66 / 53																																	49	49	28	21	
67 / 51																																	60	60	56	32	
67 / 49																																	55	55	70	45	
67 / 47																																	55	55	79	59	
67 / 45																																	59	59	65	111	
66 / 47																																	43	43	77	61	
67 / 41																																	45	45	65	74	
67 / 39																																	22	22	40	71	
67 / 37																																	9	9	52	45	
67 / 35																																			13	25	
67 / 33																																	3	3	3	18	
67 / 31																																				1	23
67 / 29																																				6	6
67 / 27																																				6	6
67 / 25																																				1	1
TOTAL	10.5	32.0	33.2	16.3	6.1	1.2	.7																										576	576	576		

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	3719286	45938	79.3	12.75	578	$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$
Dry Bulb	1467937	20790	40.8	6.929	578			1.4	.2		93
Wet Bulb	1273561	20924	46.6	5.914	578			.2			93
Dew Point	1109832	25076	43.4	6.165	578			4.2			93

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
ATMOSPHERIC SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-1192 SAUMHOLDEN SL 73-31 YEARS MONTH

PAGE 1 ~~15-170~~
HOURS 15-5-70

[illegible]

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					
Rel. Hum.	3,463.7	40.15	78.032	4.16	521	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Dry Bulb	1363643	26381	50.6	7.316	121			2.5			93
Wet Bulb	1172534	24224	47.1	5.219	521		5				93
Dew Point	1012447	22767	43.7	5.683	521		3.4				93

PSYCHROMETRIC SUMMARY

77-93

Y5485

2011

— 20 —

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CENTRAL CLIMATOLOGY BRANCH
SAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-1973 LAUMHOLDED DL 73-87 NOV
STATION STATION NAME YEARS MONTH

PAGE 1 05-0-11-0
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
1 / 57																		1	1					
2 / 55		.4	.4															7	7					
4 / 57		1.8	.2	.2														12	12	6				
10 / 51		1.8																13	13	13	3			
1 / 4		1.8	.9															15	15	15	10			
2 / 47	1.1	3.1	1.3															33	33	27	21			
4 / 45	2.8	3.4	2.4															73	73	44	44			
14 / 45	1.5	2.2	1.6															29	29	51	30			
47 / 41	1.6	3.9	1.6	.2														57	57	45	52			
47 / 39	1.5	4.0	2.2															43	43	43	47			
7 / 37	4.3	5.5	1.3															63	63	56	46			
7 / 35	2.4	6.2	.9															51	51	61	52			
34 / 33	3.1	2.4	.9															39	39	62	55			
7 / 31	3.5	1.6	.4															70	39	70	50			
7 / 29	2.7	2.7																26	26	29	37			
7 / 27	1.9	2.4																23	23	26	30			
7 / 25	.5	1.5																11	11	9	18			
7 / 25	.3	1.3																8	3	7	18			
7 / 21	1.5	.6																18	17	14	9			
7 / 19	.2	.2																2	2	4	3			
1 / 17		.2																1	1	2	7			
1 / 15																					7			
1 / 13																					7			
1 / 11																					1			
TOTAL	24.9	54.8	15.4	.4	.5														547	547	547			

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4324641	48368	29.5	9.734	547	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	660897	21267	38.9	7.714	547		19.3					90
Wet Bulb	80055	20532	37.5	7.347	547		20.9					90
Dew Point	730769	19535	35.7	7.788	547		29.9					90

REPRODUCED FROM THE RECORDS OF THE AFMHS

0.26-5 (OL A)

FORM 54

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

100150 WADPHOLDS DL 73-87 MONTH NOV
STATION STATION NAME YEARS MONTHS (L. S. Y.)

PAGE 1 1000-10.0

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
66/ 65						.2																											1	1		
64/ 63							.4																										2	2		
61/ 61																																			1	
57/ 59					.2																												1	1		
57/ 57				.4	.6	.7																										9	9		1	
55/ 55			.2	.4	.2	.4																										6	6		1	
54/ 53	.2	.7	1.7	.4																												16	16	7	2	
52/ 51		2.4	1.5	.6																												26	26	14	8	
50/ 49		1.8	3.1	.4	.2																											30	30	24	9	
48/ 47	.2	1.7	3.7	.2																												35	35	32	21	
47/ 46	1.1	5.5	3.5	2.7																												56	56	40	47	
44/ 43	1.7	3.5	1.8	.4																												43	43	32	32	
42/ 41	2.9	5.3	5.3																													74	74	57	69	
42/ 39	1.8	6.4	5.7	.2	.2																											72	72	44	53	
38/ 37	2.0	4.3	.9	.5																												45	45	31	39	
36/ 35	1.1	4.2	.4	.2																												32	32	65	57	
34/ 33	1.9	1.3	1.7																													29	29	42	53	
32/ 31	1.3	.4	.3																													14	14	24	57	
30/ 29		2.7																														12	12	13	15	
28/ 27	.6	2.9	.2																													20	20	22	15	
26/ 25		.7																														4	4	7	15	
24/ 23	.2	.7																														5	5	5	28	
22/ 21																																			4	
20/ 19																																			3	
18/ 17																																			2	
16/ 15																																			1	
TOTAL	17.6	45.7	31.4	5.9	1.5																											545	545	545	545	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3536433	45343	83.7	10.245	545	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	975325	22707	41.7	7.333	545		9.1					90
Wet Bulb	774408	21516	39.5	6.776	545		12.4					90
Dew Point	765619	20739	36.8	7.277	545		23.9					90

Element (X)	Z _X	Z _Y	X	Y	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3536433	45343	83.2	10.845	545	10 F	132 F	67 F	73 F	80 F	93 F	
Dry Bulb	975325	22747	41.7	7.333	545		9.1					90
Wet Bulb	74408	21516	39.5	6.776	545		12.4					90
Dew Point	765619	20739	36.8	7.277	545		23.9					90

PSYCHROMETRIC SUMMARY

73-82

150 V

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1250-1742

MOORE S. C. S. T.

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

10-190 STATION 04MMHOLDER DL 73-82 YEARS DEC MONTH

PAGE 1 3070-0800 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
47/47		1.4																1	21	16
47/45	2.3	2.3	.3															15	13	14
47/43	1.1	2.5																24	24	15
47/41	.3	5.9	.0															21	21	20
47/39	2.2	2.5	1.1															29	29	28
47/37	4.2	3.2																24	35	38
47/35	3.1	6.7																29	29	30
34/33	2.8	4.2	1.1															1	31	26
34/31	4.5	2.9	.5															31	31	26
34/29	3.4	5.3																31	31	29
34/27	5.3	3.4																14	14	10
34/25	2.0	2.0																16	15	15
34/23	2.5	1.7																14	14	13
34/21	3.1	.6	.3															15	15	9
34/19	2.0	2.2																10	10	12
34/17	2.2	.6																5	7	5
34/15	.8	.8																4	4	7
34/13	.6	.6																3	3	3
34/11	.1																	2	2	2
34/9	.6																	1	1	1
34/7	.3																	3	3	3
34/5	.3	.6																		
34/3																				
34/1																				
34/-1																				
TOTAL	45.55	1.4	3.6															358	358	358

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.	7029159	32837	21.6	7.987	358	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	397332	11358	31.7	8.774	358		47.3					93
Wet Bulb	368259	11771	30.9	8.516	358		50.2					93
Dew Point	380266	10564	29.5	8.941	358	.3	57.7					93

PSYCHROMETRIC SUMMARY

10192 SAUMHOLZ DI
STATION STATION NAME

73-62

YEARS

SEMI-MONTHLY

PAGE 1

~~SECRET~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
52/ 51				.2														1	1																
53/ 41			.3	.2														3	3	1															
45/ 47			.5	.5														6	6	4	1														
46/ 45	2.6	2.4	.7	.3														35	35	23	18														
44/ 43	1.9	3.7	.3															52	32	24	24														
42/ 41	1.1	4.3	2.6															49	49	35	17														
40/ 39	3.1	4.2	1.4															50	50	40	46														
38/ 37	1.9	3.3	.7															34	34	40	33														
36/ 35	2.1	5.4	.3															51	51	44	40														
34/ 33	3.8	5.5	.5															57	57	46	43														
32/ 31	3.5	4.3	.5															45	43	42	65														
30/ 29	1.9	6.7	.2															51	51	54	44														
28/ 27	4.7	3.6																48	43	55	67														
26/ 25	.7	1.7																14	14	15	33														
24/ 23	1.9	7.8																27	27	19	30														
22/ 21	2.2	2.4	.2															26	28	25	25														
20/ 19	1.9	.9																16	16	25	15														
18/ 17	.9	.9																10	10	13	13														
16/ 15	.9	.3																7	7	9	19														
14/ 13	.5																	3	3	4	12														
12/ 11	.7	.3																6	6	6	10														
10/ 9																					5														
8/ 7	.1																	1	1	1	1														
6/ 5	.1																	1	1	1	3														
TOTAL	36.554.8	P.1	.5															578	573	576	576														

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	42.35119	51499	89.1	8.979	578	$\geq 0^\circ F$	$\geq 32^\circ F$	$\geq 67^\circ F$	$\geq 73^\circ F$	$\geq 80^\circ F$	$\geq 93^\circ F$	Total
Dry Bulb	671737	19109	33.1	8.283	573		41.8					93
Wet Bulb	127629	18481	32.1	7.977	578		46.5					53
Dew Point	565418	17400	30.1	8.891	576		56.1					93

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

Column

USAFETYAC

PSYCHROMETRIC SUMMARY

YEARS

150
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
56/ 55				.2	.													2	7													
54/ 53				.2	.													2	2													
52/ 51				.2	.2													2	2													
50/ 49	.2	.6	.6															7	7	5	1											
48/ 47	.8	1.3	1.0	.4														16	16	9	4											
46/ 45	2.7	3.0	1.1	.2														37	37	29	21											
44/ 43	1.9	3.0	.6															9	29	25	24											
42/ 41	1.1	5.5	2.5															46	48	26	33											
40/ 39	1.7	2.9	2.5															57	37	29	32											
38/ 37	2.1	3.4	2.9															44	44	34	40											
36/ 35	1.7	4.4	3.2															49	49	43	27											
34/ 33	4.4	7.6	2.1															74	74	77	45											
32/ 31	1.7	5.3	2.1															46	48	63	51											
30/ 29	.6	5.0	.2															71	31	44	45											
28/ 27	3.6	2.7	.3															34	34	34	77											
26/ 25	1.1	3.2	.5															26	26	16	33											
24/ 23	1.7	1.5	.6															27	27	23	32											
22/ 21		.2																1	1	12	18											
20/ 19	.6	.4																6	6	8	12											
18/ 17	1.3	.2																8	8	9	7											
16/ 15	.6																	3	3	4	10											
14/ 13																					7											
12/ 11																					6											
TOTAL	27.6	49.9	21.2	1.5	.2														525	525	525											

Element (X)	Z _X ¹	Z _X	X	q _X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						≤ 10 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	3965652	45312	86.3	7.233	525		31.4					43
Wet Bulb	685773	18563	35.4	7.493	525		40.3					43
Dew Point	629616	17786	33.9	7.166	525		52.8					93

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

MEM

USAFETAC

PSYCHROMETRIC SUMMARY

DEC
MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
51 / 55				.2														1	1																
54 / 53				.5														2	2																
57 / 49			1.9															8	9	1															
42 / 47	.5	1.0	1.0															10	10	5	2														
47 / 45	0.5	2.4	1.0															33	33	76	22														
44 / 43	1.0	3.6	.2															0	2.0	14	1.0														
42 / 41	1.2	6.7	.7															76	36	22	26														
40 / 35	1.2	4.8	1.4															31	31	34	23														
37 / 37	1.9	4.0	2.1	.2														35	35	79	31														
36 / 35	1.2	6.7	1.9															41	41	32	26														
36 / 33	5.0	9.0	1.9															67	67	67	33														
32 / 31	2.1	6.9	1.0															42	42	64	47														
30 / 29	.5	6.7																70	30	40	39														
28 / 27	2.9	3.1	1.2															30	30	30	67														
27 / 25	1.7	1.9	.2															16	16	17	30														
24 / 23	1.2	.7	.5															10	10	14	25														
22 / 21	.2	.2																2	7	4	9														
2 / 19	.5	.5																4	4	5	6														
17 / 17	.5																	2	2	4	4														
16 / 15	.2																	1	1	1	5														
17 / 13																					5														
12 / 11																					3														
TOTAL	26.158	0.15	0	1.0														421	421	421															

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE...
...ON
...AGE

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

106190 BAUMHOLDER DL

73-83

STATION

STATION NAME

YEARS

HRZ LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	29.9	30.0	36.1	39.7	48.4	55.9	57.6	56.2	49.7	42.6	37.2	31.7	43.2
S D	9.652	7.376	7.298	6.371	6.523	6.447	5.640	5.255	6.021	6.713	8.204	8.774	12.235
TOTAL OBS	355	355	420	405	396	405	409	407	307	386	358	358	4561
MEAN	31.0	32.2	39.2	45.1	53.4	60.7	62.7	62.7	56.1	45.8	38.9	33.1	46.9
S D	9.333	6.954	6.819	7.666	8.051	7.875	7.463	6.066	6.108	6.471	7.714	8.283	13.772
TOTAL OBS	557	533	649	606	592	610	614	617	451	581	547	578	6935
MEAN	33.8	36.0	43.1	49.3	57.4	64.6	66.6	67.3	61.1	49.8	41.7	35.4	50.9
S D	8.239	6.851	7.059	8.803	9.100	8.649	8.660	7.374	6.827	6.829	7.333	7.493	14.386
TOTAL OBS	549	521	644	605	595	616	613	627	447	578	545	525	6865
MEAN	34.4	36.5	44.3	50.0	58.4	65.3	67.4	68.2	61.5	50.6	41.3	35.6	51.5
S D	7.958	6.964	7.340	9.049	9.364	8.310	8.520	7.972	7.758	7.316	7.305	6.820	14.544
TOTAL OBS	501	482	597	521	490	534	532	547	373	521	498	421	6017
MEAN													
S D													
TOTAL OBS													
MEAN													
S D													
TOTAL OBS													
MEAN													
S D													
TOTAL OBS													
MEAN													
S D													
TOTAL OBS													
ALL HOURS	MEAN	32.5	33.9	41.0	46.4	54.8	62.0	64.0	64.2	57.5	47.5	40.0	48.4
	S D	8.941	7.460	7.731	8.978	9.191	8.688	8.582	8.114	8.068	7.484	7.791	14.210
	TOTAL OBS	1962	1891	2310	2137	2073	2165	2168	2198	1578	2066	1948	24378

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NAME

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

106190 BAUMHOLDER DL

73-83

STATION

STATION NAME

YEARS

HRS LST	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
06-08	MEAN	29.1	29.3	35.0	37.9	45.7	52.5	54.1	53.9	48.2	41.7	36.1	30.9	41.5
	S D	9.234	6.993	7.113	5.887	5.568	5.388	4.537	4.790	5.655	6.484	7.846	8.516	11.231
	TOTAL OBS	355	355	420	404	396	405	409	407	307	386	358	358	4560
09-11	MEAN	30.1	31.1	37.3	41.2	48.1	54.6	56.4	56.9	52.2	44.1	37.5	32.0	43.6
	S D	8.842	6.376	6.353	6.109	5.698	5.449	4.804	4.181	5.018	5.945	7.347	7.977	11.490
	TOTAL OBS	557	533	649	606	592	610	614	617	450	581	547	578	6934
12-14	MEAN	32.5	34.1	39.7	43.4	50.0	55.9	57.8	58.4	54.7	46.6	39.5	33.9	45.8
	S D	7.597	5.970	6.063	6.401	5.775	5.442	5.119	4.447	5.084	5.814	6.776	7.186	11.049
	TOTAL OBS	549	521	644	605	595	615	613	627	447	578	545	525	6864
15-17	MEAN	33.0	34.3	40.4	43.6	50.4	56.2	58.0	58.5	54.6	47.1	39.2	34.2	45.9
	S D	7.290	5.919	6.195	6.245	5.789	5.156	5.006	4.497	5.289	5.910	6.771	6.595	10.948
	TOTAL OBS	501	482	597	521	490	534	532	547	373	521	498	421	6017
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
ALL HOURS	MEAN	31.3	32.4	38.3	41.8	48.7	55.0	56.8	57.1	52.7	45.1	38.3	32.8	44.4
	S D	8.340	6.581	6.678	6.534	5.972	5.525	5.103	4.766	5.775	6.330	7.252	7.682	11.314
	TOTAL OBS	1962	1891	2310	2136	2073	2164	2168	2198	1577	2066	1948	1882	24375

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

106190 BAUMHOLDER DL

73-83

HRS. L.S.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	27.9	27.8	33.3	35.6	42.9	49.8	51.4	51.9	46.8	40.7	34.7	29.5	39.6
S.D.	9.158	7.161	7.876	6.298	6.002	5.594	4.661	5.001	5.791	6.607	8.194	8.941	11.116
TOTAL OBS.	355	355	420	404	396	405	409	407	307	386	358	358	4560
MEAN	28.6	29.2	34.6	36.6	43.1	49.9	51.8	52.5	49.0	42.4	35.7	30.1	40.4
S.D.	8.785	6.389	7.085	6.586	5.992	5.506	4.682	4.718	5.466	6.158	7.788	8.491	10.840
TOTAL OBS.	557	533	649	606	592	610	614	617	450	581	547	578	6934
MEAN	30.4	31.2	35.6	36.8	43.2	49.3	51.5	51.8	49.6	43.4	36.8	31.5	41.1
S.D.	7.520	6.120	7.127	6.939	6.212	5.650	5.019	5.176	5.750	6.165	7.277	7.856	10.141
TOTAL OBS.	549	521	644	605	595	615	613	627	447	578	545	525	6864
MEAN	30.7	31.1	35.5	36.6	43.1	49.2	51.2	51.5	49.2	43.7	36.6	32.0	40.9
S.D.	7.394	6.042	7.405	6.886	6.423	5.603	5.256	5.137	5.629	5.983	7.212	7.357	9.993
TOTAL OBS.	501	482	597	521	490	534	532	547	373	521	498	421	6017
MEAN													
S.D.													
TOTAL OBS.													
MEAN													
S.D.													
TOTAL OBS.													
MEAN													
S.D.													
TOTAL OBS.													
MEAN	29.5	30.0	34.9	36.5	43.1	49.5	51.5	52.0	48.8	42.7	36.1	30.8	40.6
S.D.	8.252	6.515	7.373	6.718	6.158	5.592	4.922	5.020	5.733	6.289	7.614	8.215	10.509
TOTAL OBS.	1962	1891	2310	2136	2073	2164	2168	2198	1577	2066	1940	1882	24375

THE

RELATIVE HUMIDITY

SAJYHOLDEP DL

STATION NAME

74-F3

PERIOD

JAN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70	80	90		
JAN	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.9	93.8	85.1	92.5	355
	09-11	100.0	100.0	100.0	100.0	100.0	100.0	99.6	89.2	55.7	90.8	557
	12-14	100.0	100.0	100.0	100.0	100.0	99.5	97.1	78.3	41.2	87.7	549
	15-17	100.0	100.0	100.0	100.0	99.8	99.0	93.8	73.3	39.7	86.6	501
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	100.0	100.0	99.6	97.4	83.6	50.4	89.4	1962

FORAS
1111 4th

0-87-5 (OL A)

Let's see what we can do about it.

RELATIVE HUMIDITY

BAUMHOLDER DL

STATION NAME

74-83

..
PENDING

FEB
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70	80	90		
FEB	01-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.7	92.7	59.4	91.6	355
	09-11	100.0	100.0	100.0	100.0	100.0	99.6	97.2	53.9	49.5	63.9	533
	12-14	100.0	100.0	100.0	100.0	100.0	96.9	63.3	63.0	30.7	93.2	571
	15-17	100.0	100.0	100.0	99.8	98.5	94.8	78.0	56.9	30.5	91.6	482
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	100.0	99.6	97.9	89.6	74.6	42.5	86.4	1891

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

106190
STATION

SAUMHOLDER DL

STATION NAME

74-83

PERIOD

MAR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (1ST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
MAR	03-05											
	05-08											
	08-11	100.0	100.0	100.0	100.0	100.0	99.3	97.1	84.3	53.8	9.0	420
	11-14	100.0	100.0	100.0	100.0	98.9	96.5	86.6	66.7	30.0	14.0	649
	14-17	100.0	100.0	99.2	98.3	94.3	84.8	68.3	34.9	12.5	76.3	644
	17-20	100.0	99.5	99.0	97.2	91.6	79.2	59.0	34.2	13.1	73.1	597
	20-23											
	23-01											
	01-04											
	04-07											
	07-10											
	10-13											
	13-16											
	16-19											
	19-22											
	22-25											
	25-28											
	28-31											
	TOTALS	100.0	99.9	99.6	98.9	96.2	90.0	77.8	56.4	22.9	80.9	2310

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

PERIOD

MONTH	HOURS ELST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%		
APR	00-23										
	01-25										
	06-28	100.0	100.0	100.0	100.0	99.5	96.8	89.4	72.3	37.9	404
	09-11	100.0	100.0	99.5	97.9	90.4	76.1	60.4	37.7	15.	116
	12-14	100.0	100.0	98.9	89.6	76.2	55.0	40.0	1.0	4.1	377
	16-17	100.0	100.0	97.1	84.5	70.9	52.2	35.8	21.7	7.9	521
	18-21										
	21-23										
TOTALS		100.0	100.0	98.9	93.0	84.2	72.5	57.2	37.5	17.7	1170

0-87-5 OL A

RELATIVE HUMIDITY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

USAFETAC FORM 7-64 C-87.5-OL. A

RELATIVE HUMIDITY

STATION NAME

73-82

PERIOD

JUN
MONTH

MONTH	HOURS TEST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%		
JUN	0-22										
	23-25										
	26-28	100.0	100.0	100.0	100.0	99.0	93.3	79.8	55.1	17.8	97.9
	29-31	100.0	100.0	100.0	98.2	89.7	68.4	48.7	22.5	5.9	69.2
	12-14	100.0	100.0	99.0	91.1	70.7	42.8	25.4	11.2	2.6	59.8
	15-17	100.0	100.0	98.7	97.0	86.7	35.9	21.5	4.4	2.6	50.3
	18-20										
	21-23										
TOTALS		100.0	100.0	99.2	94.2	81.5	51.1	43.0	24.0	7.2	67.1

USE WITH UNIT ON

126190
STATION

STATION NAME

73-82

PERIOD

JUL
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70	80:	90:		
JUL	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.0	94.4	82.7	51.1	14.4	60.5	409
	09-11	100.0	100.0	99.8	98.2	90.6	69.1	47.4	23.5	6.7	69.2	614
	12-14	100.0	100.0	99.2	91.8	71.8	45.4	28.1	12.1	2.3	60.4	613
	15-17	100.0	100.0	98.3	88.3	63.9	39.8	23.3	10.9	2.3	58.3	532
	18-20											
	21-23											
TOTALS		100.0	100.0	99.3	94.6	81.3	62.2	45.3	24.4	6.4	67.1	2168

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

AUG
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	98.8	93.4	74.4	28.7	85.8	407
	09-11	100.0	100.0	100.0	99.2	92.7	73.1	51.4	23.8	6.5	70.6	517
	12-14	100.0	99.8	99.0	90.0	71.6	42.7	22.2	9.7	3.5	59.6	627
	15-17	100.0	99.6	97.6	85.7	64.5	36.4	20.7	9.3	3.7	57.4	507
	18-20											
	21-23											
TOTALS		100.0	99.9	99.7	93.7	82.2	62.8	46.9	24.3	10.6	68.4	2198

AGE AND OCCUPATION
PAGE

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STATION

73-82

SEP
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.3	98.4	84.4	51.8	90.0	307
	09-11	100.0	100.0	100.0	100.0	98.4	90.0	74.0	43.6	15.3	78.0	450
	12-14	100.0	100.0	100.0	97.8	89.0	64.7	41.4	16.8	2.9	67.2	447
	15-17	100.0	100.0	100.0	94.9	86.1	59.2	39.4	19.3	3.8	65.6	373
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	98.2	93.4	78.3	63.3	41.0	18.5	75.2	1577

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

106190
STATION

BAUMHOLDER DL

STATION NAME

73-82

PERIOD

OCT
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.7	94.8	67.6	93.3	386
	09-11	100.0	100.0	100.0	100.0	100.0	99.5	95.5	77.5	42.3	88.2	581
	12-14	100.0	100.0	100.0	100.0	99.3	91.3	77.0	45.2	19.0	79.3	578
	15-17	100.0	100.0	100.0	100.0	98.8	90.6	73.7	41.8	17.1	78.0	521
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	100.0	99.5	95.4	86.5	64.8	36.5	84.7	2066

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

USE APPROPRIATE
SEE PAGE 100

106190
STATION

STATION NAME

PERIOD

VOV
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	98.6	90.8	57.0	91.1	358
	09-11	100.0	100.0	100.0	100.0	100.0	100.0	97.6	79.3	45.0	88.5	547
	12-14	100.0	100.0	100.0	100.0	99.8	97.2	88.1	56.0	28.1	93.2	545
	15-17	100.0	100.0	100.0	100.0	99.8	99.4	88.6	63.7	26.9	83.9	498
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	100.0	99.9	99.1	93.2	73.0	39.3	96.7	1948

RELATIVE HUMIDITY

STATION NAME

73-82

PERIOD

DEC
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
DEC	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.4	92.2	59.2	91.6	358
	09-11	100.0	100.0	100.0	100.0	100.0	100.0	97.8	82.9	45.3	89.1	578
	12-14	100.0	100.0	100.0	100.0	100.0	99.8	91.6	71.0	37.5	86.3	525
	15-17	100.0	100.0	100.0	100.0	100.0	100.0	93.9	75.8	40.1	86.9	421
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	100.0	100.0	100.0	95.7	80.5	45.5	88.5	1682

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

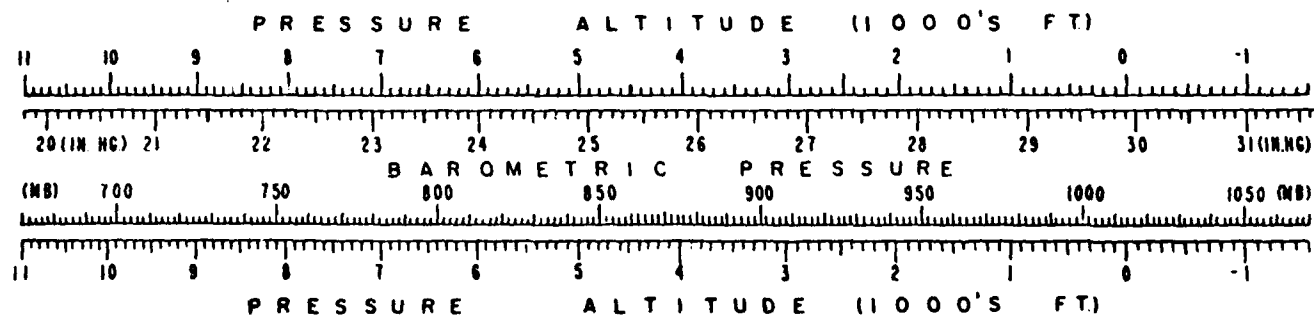
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars. DATA NOT AVAILABLE

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION
SEE PAGE

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

106190 BAUMHOLDER DL

73-83

STATION		STATION NAME												YEARS	
HRS	EST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
01		MEAN													
		S D													
		TOTAL OBS													
04		MEAN													
		S D													
		TOTAL OBS													
07		MEAN	28.46128	40328	37328	41728	41628	50128	49128	52628	53428	43128	47928	358	28.449
		S D	.304	.342	.268	.204	.196	.152	.143	.139	.204	.280	.292	.366	.253
		TOTAL OBS	174	172	206	202	199	206	205	206	154	189	178	166	2257
10		MEAN	28.46628	42728	38528	42928	42828	50728	50328	53528	55728	44728	50428	402	28.464
		S D	.303	.342	.266	.209	.196	.151	.155	.140	.197	.289	.286	.384	.258
		TOTAL OBS	186	177	213	202	195	202	204	204	150	192	179	193	2297
13		MEAN	28.45128	43328	38328	42328	42028	50228	49828	52928	54028	44228	49728	366	28.456
		S D	.312	.343	.265	.201	.190	.153	.154	.138	.204	.28	.284	.379	.256
		TOTAL OBS	183	176	212	199	201	205	205	207	153	193	183	174	2291
16		MEAN	28.44928	44028	37328	40428	40228	48328	48628	51228	51228	41628	48028	406	28.446
		S D	.318	.337	.256	.197	.178	.149	.139	.135	.204	.276	.290	.370	.247
		TOTAL OBS	163	157	202	200	176	197	195	205	125	167	165	141	2093
19		MEAN													
		S D													
		TOTAL OBS													
22		MEAN													
		S D													
		TOTAL OBS													
ALL HOURS		MEAN	28.45728	42528	37928	41828	41728	49828	49528	52628	53628	43528	49028	383	28.454
		S D	.309	.341	.264	.203	.190	.151	.148	.138	.202	.283	.288	.375	.254
		TOTAL OBS	704	682	833	803	771	810	809	822	582	741	705	674	8938

END

DATE
FILMED

3 - 84

DTIC